HuBei WanAn

Enterprise qualification& Overseas project sales performance



Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd

Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Hubei Province

Zip code: 433200

Tel: 0716-2782799 2783799

Fax: 0716-2782782788

Website: www.hbwanan.com

Email: china@hbwanan.com

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1.Company profile

Hubei Wanan Environmental Protection Petrochemical equipment Co., Ltd. is located in Honghu City, a beautiful and rich, famous hometown of fishing rice. Adjacent to Wuhan to the east, Yueyang to the south, and 107318 National Highway to the south, land and water traffic is very convenient. Founded in 2004, the company is located at 58 Wenquan East Road, Honghu Economic Development Zone. The company covers an area of 138000 square meters, construction area of 28000 square meters, the company registered capital of 120 million yuan.

Hubei Wanan Environmental Protection Petrochemical equipment Co., Ltd. is a collection of production, learning, research in one of the high-tech enterprises;. The company is mainly engaged in petrochemical environmental protection equipment and pressure vessel design and research, production, manufacturing and sales work; In close cooperation with Wuhan University of Science and Technology, China University of Geosciences, Wuhan University of Engineering and other scientific research colleges and universities, and set up "Hubei Wanan Wuhan University of Science and Technology Energy Saving and Environmental Protection Automation Engineering Technology Research Center" in Wuhan University of Science and Technology to carry out talent training and new product development, currently has 26 national patents, was appraised as "National High-tech Enterprises" in 2013, and was recognized by Hubei Provincial Development and Reform Commission in 2014 As "Hubei Enterprise Technology Center", it was recognized by Hubei Provincial Science and Technology Department as "Hubei Provincial School and Enterprise Co-built Environmental Protection Automation Technology Research and Development Center" in 2017 and Hubei Province as "Hubei Province Informatization industrialization Integration pilot demonstration Enterprise". It is the network provider of large state-owned enterprises such as PetroChina, Sinopec, CNOOC, Sinochem Group, Huaneng International, Datang International, Shenhua Group and so on.

The company currently has 180 employees, including 20 management personnel and 65 technical personnel. It has 6 modern production workshops, 1 non-destructive

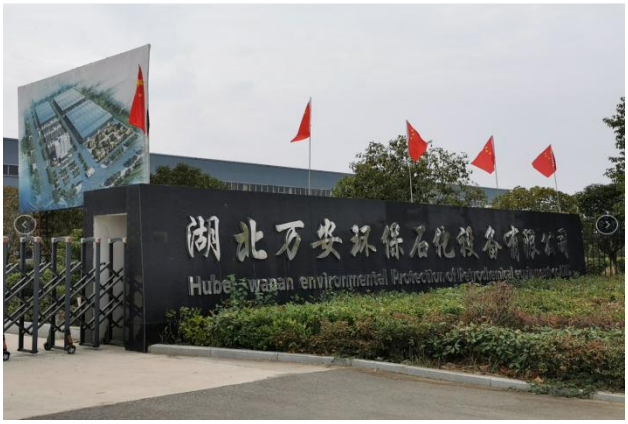
testing room, 1 laboratory, 1 product quality testing room, 1 sandblasting room, and 2 large logistics warehouses. More than 300 sets of production equipment, with an annual production capacity of 250 million yuan, have A1, A2, D1, and D2 level pressure vessel production qualifications, DN50, DN80, DN100, DN150, DN200, DN250, and DN300 flame arrestor test certificates (issued by Qingdao Institute of Safety and Technology), DN50-DN300 type test certification (Shenyang Special Inspection Institute), and have passed ISO9001 quality system certification, ISO14001 environmental management system certification, and ISO18001 occupational health and safety management certification. The company has a complete quality system, advanced manufacturing processes, and complete testing methods. Its main products include environmental protection equipment (sewage treatment, atmospheric treatment, solid waste treatment, soil remediation, etc.), pressure vessels, chemical fillers, filters, mixers, and samplers. It is exported to Mozambique, Chad, Sri Lanka and other Asian and African countries.

The company has a nationwide sales network, with offices in large and medium-sized cities such as Beijing, Nanjing, Fujian, Shanghai, Xi'an, Ningbo, Chengdu, Harbin, Urumqi, and Guangzhou. With the help of technological innovation and innovative achievements, the company has rapidly developed and expanded, and its output, sales, and profits have increased year by year.

The company will, as always, insist on the good faith for this, the user is supreme, follow the "credibility of the first, quality first, service first" purpose, for the vast number of users with safety, environmental protection and energy saving for a new product to social services, benefit the people.

1) Front door





2) Company workshop





3) Production site





4) Finished product workshop





5) Product inspection site





6) Delivery photo





1. Business license



统一社会信用代码

91421083764139336G

营业执照

扫描二维码登录“国家企业信用信息公示系统”了解更多登记、备案、许可、监管信息。

名　　称　湖北万安环保石化设备有限公司

类　　型　有限责任公司(自然人投资或控股)

法定代表人　瞿金祥

经营范围　一般项目：炼油、化工生产专用设备制造;炼油、化工生产专用设备销售;安全、消防用金属制品制造;特种劳动防护用品生产;金属材料制造;金属切削加工服务;金属结构制造;普通阀门和旋塞制造(不含特种设备制造);气体、液体分离及纯净设备制造;通用零部件制造;密封件制造;通用设备制造（不含特种设备制造）;石油钻采专用设备制造;日用化工专用设备制造;环境保护专用设备制造;除尘技术装备制造;燃煤烟气脱硫脱硝装备制造;土壤及场地修复装备制造;污泥处理装备制造;生活垃圾处理装备制造;减振降噪设备制造;环境应急技术装备制造;安防设备制造;专用设备制造（不含许可类专业设备制造）;光伏设备及元器件制造;工业控制计算机及系统制造;电子元器件制造;工业自动控制系统装置制造;其他通用仪器制造;专用仪器制造;专用设备修理;金属材料销售;金属制品销售;消防器材销售;环境应急技术装备销售;特种劳动防护用品销售;燃煤烟气脱硫脱硝装备销售;气体、液体分离及纯净设备销售;工业自动控制系统装置销售;信息咨询服务（不含许可类信息咨询服务）;技术服务、技术开发、技术咨询、技术交流、技术转让、技术推广。（除许可业务外，可自主依法经营法律法规非禁止或限制的项目）
许可项目：特种设备制造;特种设备安装改造修理;特种设备设计;建设工程施工;电气安装服务。（依法须经批准的项目，经相关部门批准后方可开展经营活动，具体经营项目以相关部门批准文件或许可证件为准）

注册资本　壹亿贰仟万圆人民币

成立日期　2004年9月13日

住　　所　湖北省洪湖经济开发区文泉东路58号

登记机关　荆州市市场监督管理局

2024年3月20日

国家企业信用信息公示系统网址：

国家市场监督管理总局监制

Business license

Unified social credit code: 91421083764139336G

Name: Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Type: Limited liability company (invested or controlled by natural person)
Legal representative: Qu Jinxiang
Registered capital: one hundred and twenty million yuan
Date of establishment: 2004-09-13
Address: No.58 East Wenquan Road, Honghu city,Hubei Province,China
Business scope: Class I pressure vessel, class II low and medium pressure vessel design; manufacturing and sales of class I pressure vessel, class II low and medium pressure vessel, seamless steel cylinder (volume less than 12L); sampling equipment, Petrochemical environmental protection equipment, tank accessories, pipeline accessories, tower internals, metal structure parts, industrial electronic instrument control equipment, fiberglass products, chemical fillers (excluding hazardous chemicals), metal valves, tank cooling ,spray device, design, manufacturing, sales and maintenance of water, soil and atmospheric treatment equipment; export business of our own products and our company Import and export business of mechanical equipment, spare parts and raw and auxiliary materials required by the industry (except for the commodities and technologies that are restricted or prohibited by the state to be operated by the company); professional contracting of environmental protection engineering class III, municipal public works, mechanical and electrical engineering construction (if the licensed business projects are involved, they can only be operated with the permission of relevant departments)

(QR Code)

Registration authority: Market Supervision and Administrative Bureau of Honghu City (Seal)
2024-03-20

3.Certificate of ISO9001



QUALITY MANAGEMENT
SYSTEM CERTIFICATE

Registration No. 0350624Q30140R5M

This is to certify that the quality management system of

Hubei Wanan Environmental Petrochemical Equipment Co., LTD.

No. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province, 433200

Social Credit Code: 91421083764139336G

is in conformity with

GB/T 19001-2016 / ISO 9001:2015 Standard

This certificate is valid to the following product(s)

Design, manufacture and after-sales service of tank accessories / pipe accessories / type I pressure vessels / type II low, medium pressure vessels / stainless steel seamless cylinders (nominal volume less than 12 L only)/ sampling equipment / eye washer / automatic water cutter / integrated sewage treatment equipment; manufacture and after-sales service of tower parts / metal structural parts (Site Covered: No. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province).

Date of issue: June 23, 2024
Date of expiry at most: June 22, 2027

Representative: WangHonglin

XINGYUAN CERTIFICATION CENTRE CO., LTD. (XQCC)
FOR CERTIFICATE
(7FL, Tower D, Jiahua Plaza, No.9 Shangdi 3 St., Haidian, Beijing)

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CNAS

中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C035-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in http://www.cnca.gov.cn, the website of CNCA, and in our website http://www.xqcc.com.cn.

4.Certificate of ISO14001



ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Registration No.0350624E20102R3M

This is to certify that the environmental management system of
Hubei Wanan Environmental Petrochemical Equipment Co., LTD.
No. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province, 433200
Social Credit Code: 91421083764139336G

is in conformity with
GB/T 24001-2016 / ISO 14001:2015 Standard

This certificate is valid to
Design, manufacture and after-sales service of tank accessories / pipe accessories / type I pressure vessels / type II low, medium pressure vessels / stainless steel seamless cylinders (nominal volume less than 12 L only)/ sampling equipment / eye washer / automatic water cutter / integrated sewage treatment equipment; manufacture and after-sales service of tower parts / metal structural parts (Site Covered: No.58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province).

Date of issue: June 23, 2024
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MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

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管理体系
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CNAS C035-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in http://www.cnca.gov.cn, the website of CNCA, and in our website http://www.xqcc.com.cn.

5.ISO 45001 HSE Certificate



OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Registration No.0350624S30105R3M

This is to certify that the occupational health and safety management system of

Hubei Wanan Environmental Petrochemical Equipment Co., LTD.

No. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province, 433200

Social Credit Code: 914210837641393366

is in conformity with

GB/T 45001-2020 / ISO 45001:2018 Standard

This certificate is valid to

Design, manufacture and after-sales service of tank accessories / pipe accessories / type I pressure vessels / type II low, medium pressure vessels / stainless steel seamless cylinders (nominal volume less than 12 L only)/ sampling equipment / eye washer / automatic water cutter / integrated sewage treatment equipment; manufacture and after-sales service of tower parts / metal structural parts (Site Covered: No.58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province).

Date of issue: June 23, 2024
Date of expiry at most: June 22, 2027

Representative: WangHonglin

XINGYUAN CERTIFICATION CENTRE CO., LTD. (XQCC)

(7FL, Tower Q, Jiahua Plaza, No.9 Shangdi 3 St., Haidian, Beijing)

CNAS

中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C035-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in http://www.cnca.gov.cn, the website of CNCA, and in our website http://www.xqcc.com.cn.

6.Yipaike Credit Evaluation Certificate



易派客信用评价证书

证书说明：

1.本证书自颁发之日起有效期三年。第二、第三年实施跟踪评价。

2.跟踪评价合格的，加盖信用等级专用章可继续使用。未做跟踪评价的，证书失效。

3.本证书仅颁发电子版。

商业信用中心依据易派客标准-法人信用认证，对湖北万安环保石化设备有限公司 的信用状况进行了评价，评定结果为 A 级。

跟踪评价记录：

第二年盖章　　第三年盖章

证书编号： 20240101936

查询网址：http://www.epec.com　　http://www.syxyzx.org.cn

商业信用中心

颁发日期： 2024年06月26日

Yipaike Credit Evaluation Certificate

The Commercial Credit Center evaluated the credit status of Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd. and the evaluation result was Grade A.

Certificate No.: 20240101936

Query website: http://www.epec.com

http:/www.syxyzx.org.cn

Certificate Description:

1.This certificate is valid for three years from the date of issuance. Implementation tracking evaluation in the second and third years

2. Those who pass the tracking evaluation can continue to be used after being stamped with the special seal for credit rating. Certificates that have not been tracked and evaluated are invalid

3.This certificate is only issued in electronic form.

Commercial Credit Center

Issued on: June 26th, 2024

7.Permission for opening bank account



开户许可证

核准号：J5373000036904　　编号：5210-01762008

经审核，湖北万安环保石化设备有限公司　符合开户条件，准予开立基本存款账户。

法定代表人（单位负责人）瞿金祥　开户银行 中国农业银行股份有限公司洪湖市支行

账　号 17295201040012435

发证机关（盖章）
2016 年 12 月 13 日

Approval No.: J5373000036904
No.: 5210-01762008
After verification, Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd. meets the requirements for opening an account and is allowed to open a basic deposit account
Legal representative (person in charge of the unit) Qu Jinxiang, Bank of deposit: Agricultural Bank of China Limited Honghu City Sub-branch
Account number 17295201040012435

8.Safety Production License


统一社会信用代码：91421083764139336G

安全生产许可证

编号：（鄂）JZ安许证字[2017]016742

企业名称：湖北万安环保石化设备有限公司

法定代表人：星金祥

单位地址：湖北省洪湖市经济开发区文泉东路58号

经济类型：有限责任公司（自然人投资或控股）

许可范围：建筑施工

有效期：2024年01月09日 至 2027年01月09日

发证机关：湖北省住房和城乡建设厅

发证日期：2024年01月09日

中华人民共和国住房和城乡建设部 监制

Social credit code: 91421083764139336G

Safety Production License

No.: (E) JZ Anxuzheng Zi [2017] 016742

Enterprise name: Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd

Legal Representative: Xing Jinxiang

Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Hubei Province

Economic type: limited liability company (invested or controlled by natural persons)

License Scope: Building Construction

Validity period: January 09, 2024 to January 09, 2027

Issued by: Hubei Provincial Department of Housing and Urban-Rural Development

Issued on: January 09, 2024

9.Construction Enterprise Qualification



建筑业企业资质证书

企业名称：湖北万安环保石化设备有限公司

详细地址：湖北省洪湖经济开发区文泉东路58号

统一社会信用代码：91421083764139336G　　法定代表人：瞿金祥

注册资本：12000万元　　经济性质：有限责任公司（自然人投资或控股）

证书编号：D342115226　　有效期至：2024年12月31日

资质类别及等级：市政公用工程施工总承包叁级
环保工程专业承包叁级

本使用件仅用于：工程项目承揽

使用期限：2023-12-29至2024-12-31

请使用微信小程序
“鄂建通”扫描二维码

发证机关：[illegible]住房和城乡建设局 行政审批专用章

2018年11月7日

Construction Enterprise Qualification

Enterprise name: Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd

Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Hubei Province

Unified social credit code: 91421083764139336G

Registered capital: 120 million yuan

Certificate No.: D342115226

Qualification category and grade:

professional contracting level for environmental protection engineering,

general contracting level III for municipal public engineering construction

Legal Representative: Qu Jinxiang

Economic nature: limited liability company (invested or controlled by natural persons)

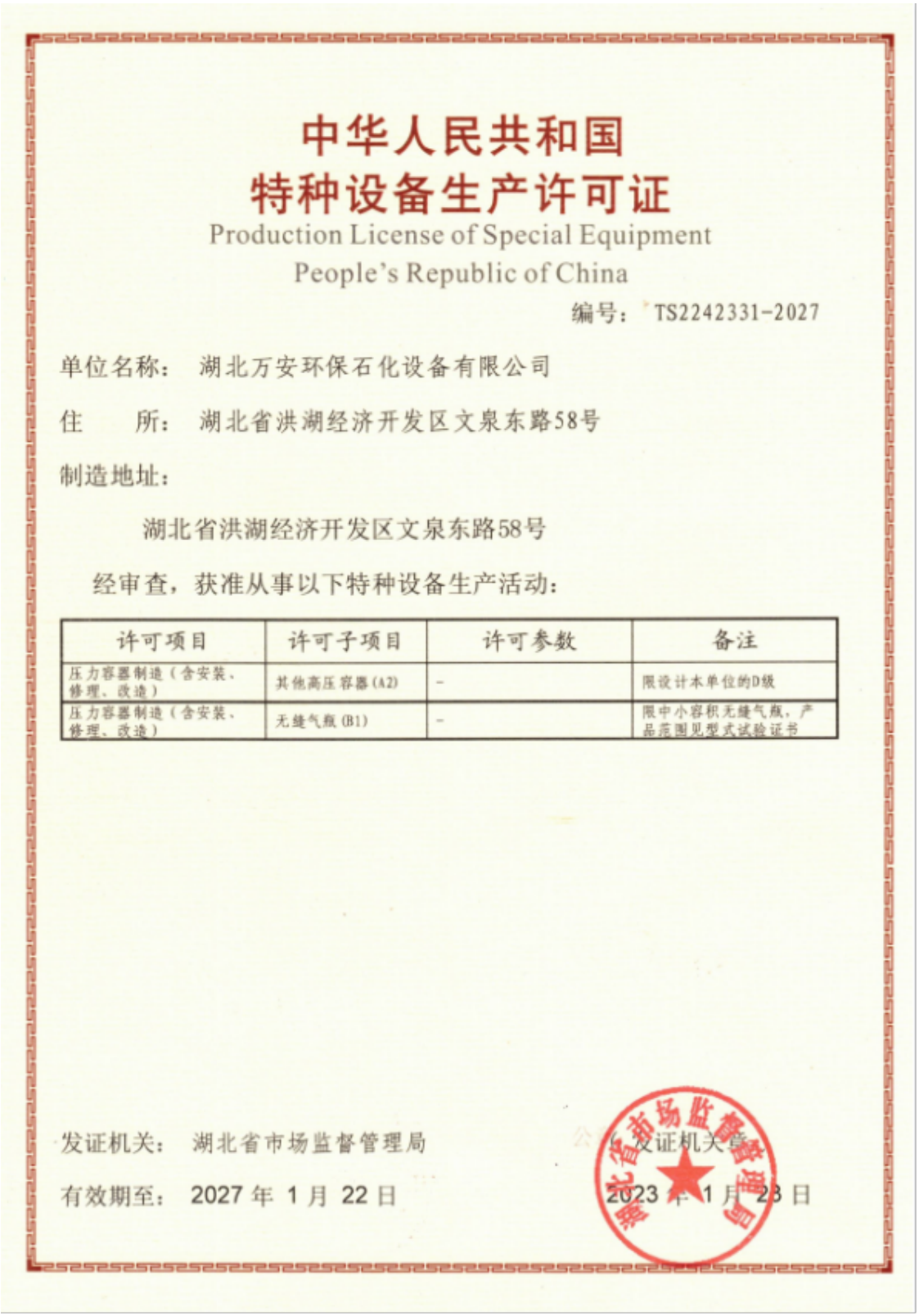
Valid until: December 31, 2024

Issued by: Jingzhou Housing and Urban-Rural Development Bureau

2018-11-07

Produced by Hubei Provincial Department of Housing and Urban-Rural Development

10.Production License of Special Equipment People's Republic of China



中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China

编号：TS2242331-2027

单位名称：湖北万安环保石化设备有限公司

住　　所：湖北省洪湖经济开发区文泉东路58号

制造地址：

湖北省洪湖经济开发区文泉东路58号

经审查，获准从事以下特种设备生产活动：

许可项目	许可子项目	许可参数	备注
压力容器制造（含安装、修理、改造）	其他高压容器(A2)	-	限设计本单位的D级
压力容器制造（含安装、修理、改造）	无缝气瓶(B1)	-	限中小容积无缝气瓶，产品范围见型式试验证书

发证机关：湖北省市场监督管理局　　发证机关章

有效期至：2027 年 1 月 22 日　　2023 年 1 月 28 日

Production License of Special Equipment People's Republic of China

No. TS22422331-2027

Name: Hubei Wanan Environmental Protection Petrochemical Equipment Co., Ltd.
Address: No.58 East Wenquan Road, Honghu city,Hubei Province,China
Factory Address : No.58 East Wenquan Road, Honghu city,Hubei Province,China

After examination, it is approved to manufacture the following Special Equipment:

Item	Sub-Item	Parameters	Notes
Pressure vessel manufacturing	Other high-pressure vessels (A2)	N/A	Limited to design level D of the unit
Pressure vessel manufacturing	Seamless gas cylinder (B1)		See the type test certificate for the specific product limit range

Issuing authority: Hubei Provincial Market Supervision Administration (Stamp)
Valid until 2027-01-22 **Issuing date:** 2023-01-24

11.Production License of Special Equipment People's Republic of China



中华人民共和国
特种设备生产许可证
Production License of Special Equipment
People's Republic of China

编号： TS2742176-2028

单位名称： 湖北万安环保石化设备有限公司

住　　所： 湖北省洪湖经济开发区文泉东路58号

制造地址：

湖北省洪湖经济开发区文泉东路58号

经审查，获准从事以下特种设备生产活动：

许可项目	许可子项目	许可参数	备注
压力管道元件制造	元件组合装置	-	工厂化预制管段，设计外委

发证机关： 湖北省市场监督管理局

有效期至： 2028 年 6 月 16 日

2024 年 6 月 17 日

Production License of Special Equipment People's Republic of China

No. TS2742115-2028

Name: Hubei Wanan Environmental Protection Petrochemical Equipment Co., Ltd.
Address: No.58 East Wenquan Road, Honghu city,Hubei Province,China
Factory Address : No.58 East Wenquan Road, Honghu city,Hubei Province,China

After examination, it is approved to manufacture the following Special Equipment:

Item	Sub-Item	Parameters	Notes
Manufacture of pressure piping components	Component combination device	N/A	Factory-made prefabricated pipe sections, outsourced design

Issuing authority: Hubei Provincial Market Supervision Administration (Stamp)
Valid until 2028-06-16 **Issuing date:** 2024-06-17

12.Type Test Certificate for Special Equipment (Pressure Piping Components)



BG313-2020A

特种设备型式试验证书

（压力管道元件）

Type Test Certificate of Special Equipment

（Pressure Piping Components）

证书编号：TSX 71001820210006
Certificate No.

制造单位：湖北万安环保石化设备有限公司
Manufacturer

制造单位地址：湖北省洪湖经济开发区文泉东路 58 号
Manufacturer Address

设备类别：元件组合装置
Product Category

产品名称（品种）：管道阻火器
Products Name

产品型号：ZH6400-08-04/D-C4R-1、ZH6400-16-08/D-C4R-1
ZH6400-24-12/D-C4R-1
Products Model

型式试验报告编号：ZHX2020-429-0023、ZHX2020-429-0024
ZHX2021-429-0007
Type Test Report No.

经型式试验，确认符合《压力管道元件型式试验规则》的要求。本证书覆盖以下型号规格产品：

After the type test, we confirmed that the test is complied with "Pressure Piping Components Type Test Regulation", this certificate covers the following specifications of flame arresters:

（1）名称/型式：管道阻爆轰型
Name / Type

（2）试验压力：0.11MPaA
Test Pressure

（3）爆炸等级：IIB3 级
Explosion Group

（4）尺寸范围：50mm≤DN≤300mm
Size Range

（5）具有与样品相同或相近的阻火结构
Have the same or similar flameproof structure as the samples

本证书有效期至：2025 年 01 月 17 日（ 注：原证书 TSX 71001820200021 作废 ）
Effective Period of Certificate

沈阳特种设备检测研究院
Shenyang Institute of Special Equipment Inspection & Research

发证日期：2021 年 01 月 18 日

变更日期：2021 年 07 月 16 日

型式试验机构地址：辽宁省沈阳市南关路 118 号
实验室地址：辽宁省沈阳市浑南区高达路 16 号　邮政编码：110179　电话/传真：024-83787353　E-mail：xssy@syt.jy.com

13. (Pressure Pipeline Components) Special Equipment Flame Arrester IIC Class Type Test Certificate



BG313-2020A

特种设备型式试验证书

（压力管道元件）

Type Test Certificate of Special Equipment

（Pressure Piping Components）

证书编号：TSX 71001820230025
Certificate No.

制造单位：湖北万安环保石化设备有限公司
Manufacturer

制造单位地址：湖北省洪湖市经济技术开发区文泉东路 58 号
Manufacturer Address

设备类别：元件组合装置
Product Category

产品名称（品种）：管道阻火器
Products Name

产品型号：ZH6400-08-02/C-C4R-1、ZH6400-14-06/C-C4R-1
ZH6400-24-10/C-C4R-1
Products Model

型式试验报告编号：ZHX2023-429-0047、ZHX2023-429-0048
ZHX2023-429-0049
Type Test Report No.

经型式试验，确认符合《压力管道元件型式试验规则》的要求。本证覆盖以下型号规格产品：

After the type test, we confirmed that the test is complied with "Pressure Piping Components Type Test Regulation", this certificate covers the following specifications of flame arresters:

（1）名称/型式：管道阻爆轰型
Name / Type

（2）试验压力：0.11MPaA
Test Pressure

（3）爆炸等级：IIC 级
Explosion Group

（4）尺寸范围：25mm≤DN≤250mm
Size Range

（5）具有与样品相同或相近的阻火结构
Have the same or similar flameproof structure as the samples

本证书有效期至：2027 年 09 月 27 日
Effective Period of Certificate

沈阳特种设备检测研究院
Shenyang Institute of Special Equipment Inspection & Research

2023 年 09 月 28 日

型式试验机构地址：辽宁省沈阳市南关路 118 号
实验室地址：辽宁省沈阳市浑南区高连路 16 号　邮政编码：110179　电话/传真：024-83787353　E-mail：xssy@sytjy.com

14.Certificate of flame arrester standard compliance test

中石化安全工程研究院有限公司

中国石化
阻火器标准符合性复测认证证书

证 书 编 号： 2023AGYFA020

委托测试单位： 湖北万安环保石化设备有限公司

单 位 地 址： 湖北省洪湖经济开发区文泉东路 58 号

生 产 地 址： 湖北省洪湖经济开发区文泉东路 58 号

产 品 名 称： 管道稳态爆轰型阻火器

产 品 型 号： ZH6400 06 02/D-C4R-1、ZH6400 08 04/D-C4R-1、ZH6400 12 06/D-C4R-1、ZH6400 24 12/D-C4R-1

检测报告编号： 2023AGYFA025、2023AGYFA026、2023AGYFA027、2023AGYFA028

经工厂体系审查及阻爆燃、阻稳态爆轰、流量压降性能实验测试认证，确认符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求。本证覆盖以下型号规格产品：

（1）名称/型式：管道稳态爆轰型阻火器
（2）最大工作压力：110kPaA
（3）工作温度：-20℃～60℃
（4）爆炸等级：IIA 级
（5）BC 燃烧类型：c
（6）尺寸范围：DN50~DN300
（7）产品结构：具有与样品相同或相近的阻火结构，且符合 ISO16852 标准“7.2 设计系列”的要求

发证日期：2023 年 12 月 15 日　　有效期至：2027 年 12 月 14 日

证书持有者有责任保证产品与认证产品的一致性，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 [illegible]　核 验 [illegible]　批 准 [illegible]

中石化安全工程研究院有限公司 阻火器测试认证专用章

Qingdao Institute of safety engineering, Sinopec

SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2023AGYFA020

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei
Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH6400 06 02 / D-C4 R-1,ZH6400 08 04/D-C4R-1,ZH6400 12 06/D-C4R-1, ZH6400 24 12/D-C4R-1
Test report number:2023AGTYFA025、2023AGYFA02,2023AGYFA027, 2023AGYFA028
Working pressure:110kpaA
Interface size: DN50-DN300
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test,
and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

Date of issue (renewal)：2023-12-15
until：2027-12-14

This certificate is only valid for the products conforming to the sampling samples. The certificate
holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity phone of this certificate: 0532-83786352

Inspector Li Houda　　Auditor Wang Peng
Approval Yu Anze

中石化安全工程研究院有限公司

中国石化
阻火器标准符合性测试认证证书

证书编号：2023AGYFA015

委托测试单位：湖北万安环保石化设备有限公司

单位地址：湖北省洪湖经济开发区文泉东路58号

生产地址：湖北省洪湖经济开发区文泉东路58号

产品名称：呼吸阀阻火器

产品型号：ZHX5100-50/A-ⅡA

ZHX5100-150/A-ⅡA

ZHX5100-300/A-ⅡA

检测报告编号：2023AGYFA018、2023AGYFA019、2023AGYFA020

经工厂体系审查及阻火性能实验测试认证，确认符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求。本证覆盖以下型号规格产品：

（1）名称/型式：呼吸阀阻火器
（2）工作温度：-20℃～60℃
（3）爆炸等级：IIA 级
（4）BC 燃烧类型：c
（5）尺寸范围：DN50~DN300
（6）产品结构：具有与样品相同或相近的阻火结构

发证日期：2023 年 9 月 25 日　　有效期至：2027 年 9 月 24 日

证书持有者有责任保证产品与认证产品的一致性，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检定 李厚进　核验　批准

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2021AGYFA018

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Breathing valve flame arrester
Model: ZHX5100-50/A-IIA,ZHX5100-150/A-IIA,ZHX5100-300/A-IIA
Interface size: DN50-DN300
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2021-04-25
Date of issue (renewal)：2023-09-25
Valid until：2027-09-24

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity phone of this certificate: 0532-83786352

Inspector He Chunhong　　Auditor Li Houda　　Approval Yu Anze

中国石油化工股份有限公司青岛安全工程研究院

中国石化
阻火器标准符合性测试认证证书

证 书 编 号： 2021AGYFA032

委托测试单位： 湖北万安环保石化设备有限公司

单 位 地 址： 湖北省洪湖经济开发区文泉东路 58 号

生 产 地 址： 湖北省洪湖经济开发区文泉东路 58 号

产 品 名 称： 管道稳态爆轰型阻火器

规 格 型 号： ZH6400 08 04/D-C4 R-1

接 口 尺 寸： DN100

阻 火 等 级： ⅡA

BC 燃烧类型： c

上述规格产品通过工厂体系审查及阻火实验测试，符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求，特发此证。

首次发证日期：2021 年 5 月 31 日

发（换）证日期： 2021 年 5 月 31 日　　有效期至： 2023 年 5 月 30 日

本证书仅对符合抽检样品的产品有效，证书持有者有责任保证产品与抽检样品的一致性、阻火盘与外壳之间的缝隙值不大于阻火盘缝隙值，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 [illegible]　核 验 [illegible]　批 准 [illegible]

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2021AGYFA032

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH6400 08 04 / D-C4 R-1
Interface size: DN100
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2021-05-31
Date of issue (renewal)：2021-05-31　　Valid until：2023-05-30

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity of this certificate: 0532-83786352

Inspector He Chunhong　　Auditor Li Houda　　Approval Yu Anze

中国石油化工股份有限公司青岛安全工程研究院

中国石化
阻火器标准符合性测试认证证书

证 书 编 号： 2021AGYFA033

委托测试单位： 湖北万安环保石化设备有限公司

单 位 地 址： 湖北省洪湖经济开发区文泉东路 58 号

生 产 地 址： 湖北省洪湖经济开发区文泉东路 58 号

产 品 名 称： 管道稳态爆轰型阻火器

规 格 型 号： ZH6400 12 06/D-C4 R-1

接 口 尺 寸： DN150

阻 火 等 级： ⅡA

BC 燃烧类型： c

上述规格产品通过工厂体系审查及阻火实验测试，符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求，特发此证。

首次发证日期：2021 年 5 月 31 日

发（换）证日期： 2021 年 5 月 31 日　　有效期至： 2023 年 5 月 30 日

本证书仅对符合抽检样品的产品有效，证书持有者有责任保证产品与抽检样品的一致性、阻火盘与外壳之间的缝隙值不大于阻火盘缝隙值，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 [illegible]　　核 验 [illegible]　　批 准 [illegible]

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2021AGYFA033

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH6400 12 06 / D-C4 R-1
Interface size: DN150
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2021-05-31
Date of issue (renewal)：2021-05-31　　Valid until：2023-05-30

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity of this certificate: 0532-83786352

Inspector He Chunhong　　Auditor Li Houda　　Approval Yu Anze

中国石油化工股份有限公司青岛安全工程研究院

中国石化
阻火器标准符合性测试认证证书

证 书 编 号： **2020AGYFA017**

委托测试单位：	湖北万安环保石化设备有限公司
单 位 地 址：	湖北省洪湖经济开发区文泉东路 58 号
生 产 地 址：	湖北省洪湖经济开发区文泉东路 58 号
产 品 名 称：	管道稳态爆轰型阻火器
规 格 型 号：	ZH6400 16 08/D-C4 R-1
接 口 尺 寸：	DN200
阻 火 等 级：	ⅡA
BC 燃烧类型：	c

上述规格产品通过工厂体系审查及阻火实验测试，符合 ISO16852-2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求，特发此证。

首次发证日期：2020 年 06 月 28 日

发（换）证日期： 2020 年 06 月 28 日　　有效期至： 2022 年 06 月 27 日

本证书仅对符合抽检样品的产品有效，证书持有者有责任保证产品与抽检样品的一致性、阻火盘与外壳之间的缝隙值不大于阻火盘缝隙值，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 李厚达　　核 验 王明鸣　　批 准 [illegible]

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2020AGYFA017

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH640016 08 / D-C4 R-1
Interface size: DN200
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2020-06-28
Date of issue (renewal)：2020-06-28　　Valid until：2022-06-27

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity of this certificate: 0532-83786352

Inspector Li Houda　　Auditor Wang Peng　　Approval Yu Anze

中国石油化工股份有限公司青岛安全工程研究院

中国石化
阻火器标准符合性测试认证证书

证 书 编 号： 2021AGYFA065

委托测试单位： 湖北万安环保石化设备有限公司

单 位 地 址： 湖北省洪湖经济开发区文泉东路 58 号

生 产 地 址： 湖北省洪湖经济开发区文泉东路 58 号

产 品 名 称： 管道稳态爆轰型阻火器

规 格 型 号： ZH6400 20 10/D-C4 R-1

接 口 尺 寸： DN250

阻 火 等 级： ⅡA

BC 燃烧类型： c

上述规格产品通过工厂体系审查及阻火实验测试，符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求，特发此证。

首次发证日期：2021 年 7 月 30 日

发（换）证日期： 2021 年 7 月 30 日　　有效期至： 2023 年 7 月 29 日

本证书仅对符合抽检样品的产品有效，证书持有者有责任保证产品与抽检样品的一致性、阻火盘与外壳之间的缝隙值不大于阻火盘缝隙值，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 核 验 批 准

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2021AGYFA065

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH6400 20 10 / D-C4 R-1
Interface size: DN250
Fire resistance class: IIA
BC combustion type: C

The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2021-07-30
Date of issue (renewal)：2021-07-30 Valid until：2023-07-29

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity of this certificate: 0532-83786352

Inspector He Chunhong Auditor Li Houda Approval Yu Anze

中国石油化工股份有限公司青岛安全工程研究院

中国石化
阻火器标准符合性测试认证证书

证 书 编 号： 2021AGYFA016

委托测试单位： 湖北万安环保石化设备有限公司

单 位 地 址： 湖北省洪湖经济开发区文泉东路 58 号

生 产 地 址： 湖北省洪湖经济开发区文泉东路 58 号

产 品 名 称： 管道稳态爆轰型阻火器

规 格 型 号： ZH6400 24 12/D-C4 R-1

接 口 尺 寸： DN300

阻 火 等 级： ⅡA

BC 燃烧类型： c

上述规格产品通过工厂体系审查及阻火实验测试，符合 ISO16852:2016《Flame arresters -- Performance requirements, test methods and limits for use》标准的要求，特发此证。

首次发证日期：2021 年 4 月 25 日

发（换）证日期： 2021 年 4 月 25 日　　有效期至： 2023 年 4 月 24 日

本证书仅对符合抽检样品的产品有效，证书持有者有责任保证产品与抽检样品的一致性、阻火盘与外壳之间的缝隙值不大于阻火盘缝隙值，并符合相关标准的规定。

本证书的有效性需依靠通过证后监督获得保持。

本证书有效性查询电话：0532-83786352。

检 定 李厚达　　核 验 [illegible]　　批 准 [illegible]

Qingdao Institute of safety engineering, Sinopec
SINOPEC Certificate of flame arrester standard compliance test

Certificate No.：2020AGYFA016

Entrusted testing unit: Hubei Wan'an environmental protection Petrochemical Equipment Co., Ltd
Factory Address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Production address: No.58, Wenquan East Road, economic development zone, Honghu City, Hubei Province
Product Name: Pipeline stable detonation flame arrester
Model: ZH6400 24 12 / D-C4 R-1
Interface size: DN300
Fire resistance class: IIA
BC combustion type: C

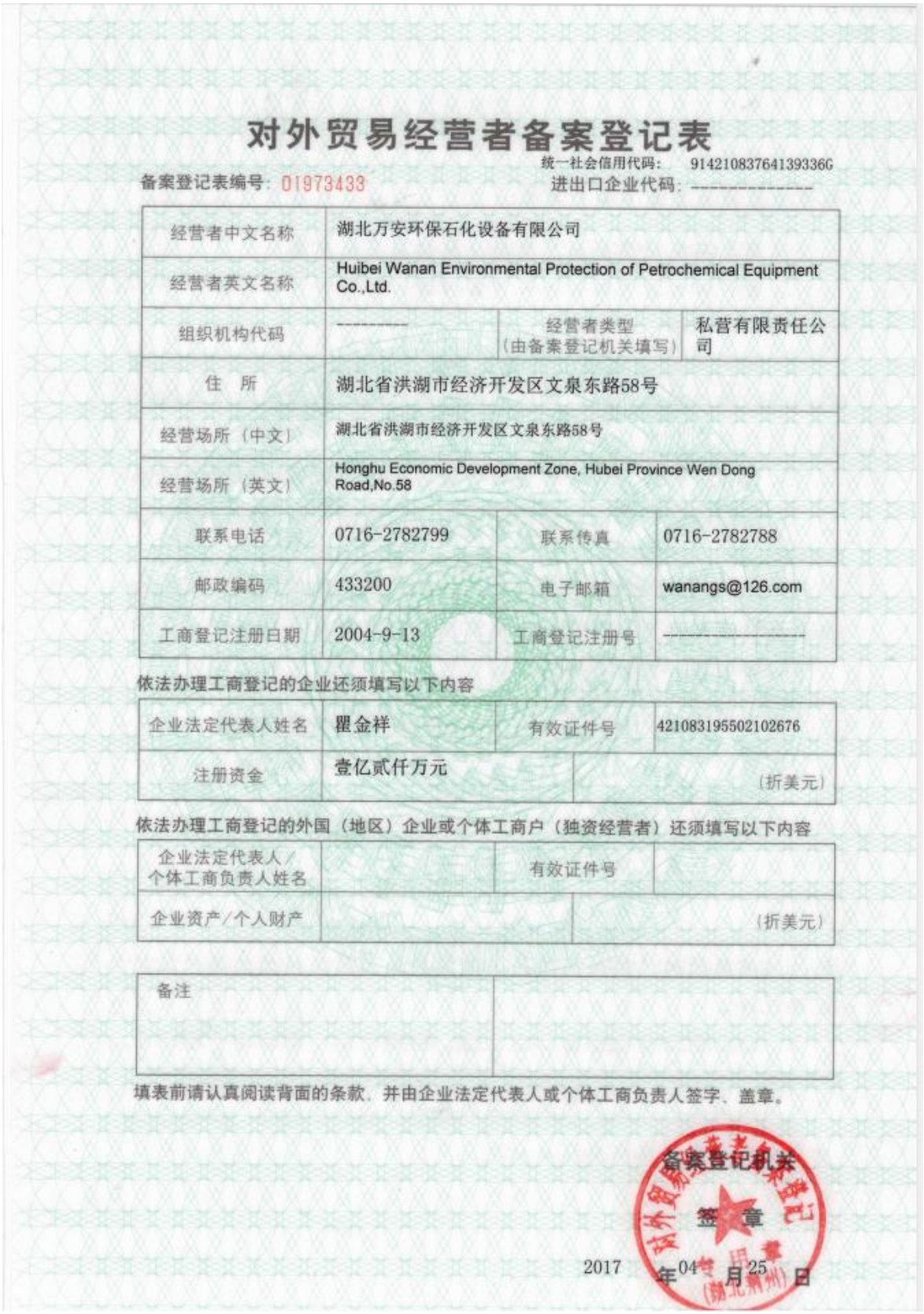
The above specification products have passed the factory system review and fire resistance test, and meet the requirements of《flame arresters performance requirements, test methods and limits for use》(iso16852-2016). This certificate is hereby issued.

First issue date：2021-04-25
Date of issue (renewal)：2021-04-25　　Valid until：2023-04-24

This certificate is only valid for the products conforming to the sampling samples. The certificate holder is responsible for ensuring the consistency between the products and the sampling samples. The gap between the fire filter and the shell shall not be greater than the gap of the fire filter, and shall conform to the provisions of the relevant standards.
The validity of this certificate shall be maintained by supervision after passing the certificate
Validity of this certificate: 0532-83786352

Inspector Li Houda　　Auditor Lan ZhengGui　　Approval Yu Anze

15.Certificate of import and export rights



对外贸易经营者备案登记表

统一社会信用代码：91421083764139336G

备案登记表编号：01973433　　进出口企业代码：----------

经营者中文名称	湖北万安环保石化设备有限公司		
经营者英文名称	Huibei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.		
组织机构代码	----------	经营者类型（由备案登记机关填写）	私营有限责任公司
住　所	湖北省洪湖市经济开发区文泉东路58号		
经营场所（中文）	湖北省洪湖市经济开发区文泉东路58号		
经营场所（英文）	Honghu Economic Development Zone, Hubei Province Wen Dong Road,No.58		
联系电话	0716-2782799	联系传真	0716-2782788
邮政编码	433200	电子邮箱	wanangs@126.com
工商登记注册日期	2004-9-13	工商登记注册号	----------

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	瞿金祥	有效证件号	421083195502102676
注册资金	壹亿贰仟万元		（折美元）

依法办理工商登记的外国（地区）企业或个体工商户（独资经营者）还须填写以下内容

企业法定代表人/个体工商负责人姓名		有效证件号	
企业资产/个人财产			（折美元）

备注	

填表前请认真阅读背面的条款，并由企业法定代表人或个体工商负责人签字、盖章。

备案登记机关　签章

2017 年 04 月 25 日

16.Hubei Environmental Protection Industry Association Membership Certificate



湖北省环境保护产业协会

HBAEPI

会 员 证

鄂环产协证字第 5241 号

湖北万安环保石化设备有限公司：

根据本会章程，经研究决定批准你单位为湖北省环境保护产业协会 会员 单位，特发此证。

有效期至：2025年7月

发证日期：2022年9月

湖北省环境保护产业协会

EHCZZZ No. 5241

Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd.:

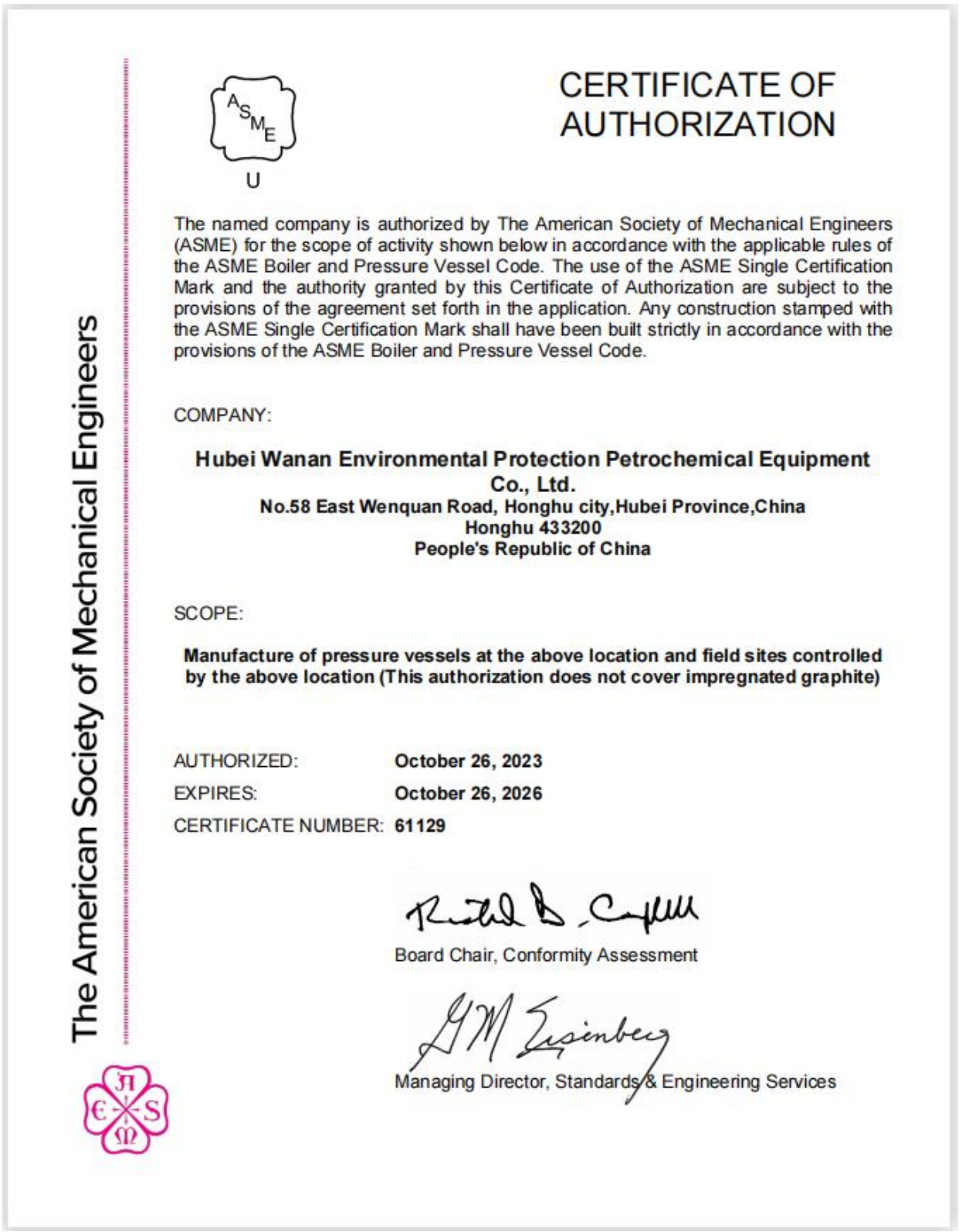
This certificate is hereby issued in accordance with the Articles of Association of the Association .And your company has been approved as a member of the Hubei Environmental Protection Industry Association.

Valid until: July 2025

Date of issue: September 2022

Hubei Environmental Protection Industry Association

17.ASME U Authorization Certificate



The American Society of Mechanical Engineers

U

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Hubei Wanan Environmental Protection Petrochemical Equipment Co., Ltd.
No.58 East Wenquan Road, Honghu city,Hubei Province,China
Honghu 433200
People's Republic of China

SCOPE:

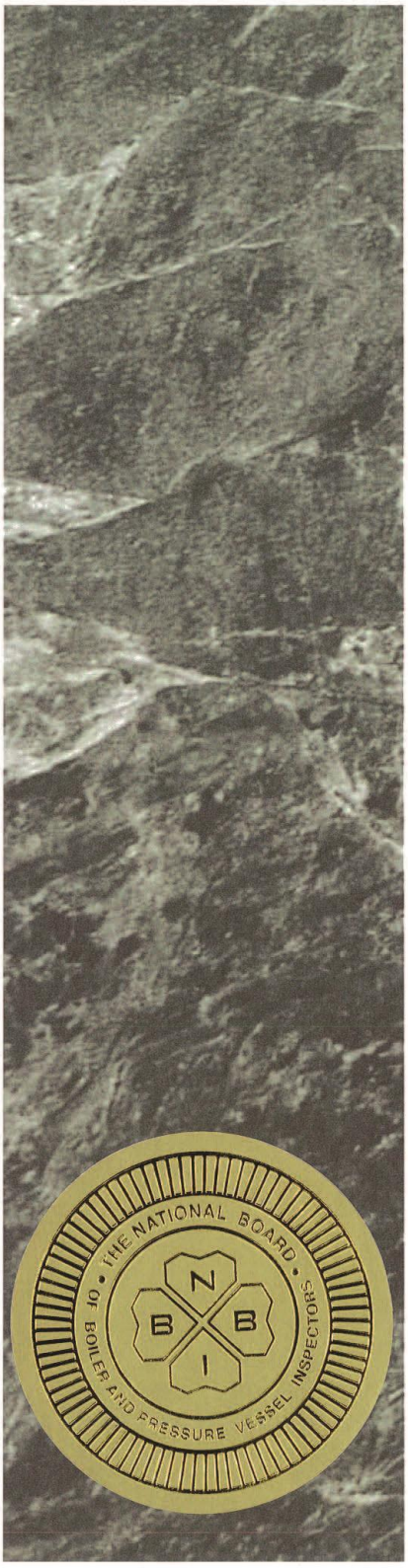
Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **October 26, 2023**
EXPIRES: **October 26, 2026**
CERTIFICATE NUMBER: **61129**

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services

18.National Boiler and Pressure Vessel Inspection Association NB Registration



THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization to Register

This is to certify that

Hubei Wanan Environmental Protection Petrochemical Equipment Co., Ltd.
No.58 East Wenquan Road,
Honghu city,Hubei Province,China
Honghu 433200
People's Republic of China

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): U

Issue Date: **October 26, 2023**

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.

Executive Director

19.**ATEX certificate**

ATEX-B

Certificato di esame UE del tipo

EU-type examination certificate

n. **ECM 24 ATEX-B Q079**

Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B

Issued according to 2014/34/EU Directive – Annex III - Module B

Richiedente
Applicant

Ragione Sociale *Company Name*	Hubei Wanan Environmental Petrochemical Equipment Co., Ltd.
Indirizzo *Address*	No. 58, Wenquan East Road, Economic Development Zone, Honghu City, Hubei Province, China.
Apparecchiatura *Equipment*	Detonation Flame Arrestor; Deflagration Flame Arrestor
Modelli *Models*	FA-Det-DN25~600-IIA/IIB3/IIB/IIC; FA-Def-DN25~600-IIA/IIB3/IIB/IIC *(see the following annex)*

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente Certificato e nell'allegato dello stesso

This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'**ECM, Organismo Notificato n° 1282** in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva.
Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2024-Q079.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment or protective system was tested according to the procedure set out in Annex III, Module B, complies with the essential health and safety requirements for the project and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II of the Directive.
The examination and test results are recorded in confidential report no. PRD-2024-Q079.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle **Norme applicate:** EN ISO 16852:2016.

The essential health and safety requirements are assured by compliance with applied **Standard:** EN ISO 16852:2016.

Questo **Certificato di esame UE del tipo** è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato.

This **EU-type examination certificate** relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: these requirements are not covered by this certificate.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:
The equipment shall be marked with the following symbols:

Ex **G IIA IIB3 IIB IIC**

Valsamoggia (BO)
Data - *Date* 11/07/2024

Timbro

Scadenza - *Expiry date* 10/07/2029

Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)

Test Report / Technical Construction File no. ---

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.
This certificate, annex included, can only be reproduced in its entirety and without any change.

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Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)
☎ +39 0516705141 🖷 +39 0516705156 ✉ ecm@entecerma.it www.entecerma.it

Allegato I / *Annex I*

al Certificato di esame UE del tipo
to EU-type-examination certificate
n. **ECM 24 ATEX-B Q079**

Descrizione dell'apparecchiatura
Equipment description

Detonation Flame Arrestor;
Deflagration Flame Arrestor

FA-Det-DN25~600-IIA/IIB3/IIB/IIC; FA-Def-DN25~600-IIA/IIB3/IIB/IIC			
Model	**Bore**	**Temperature**	**Pressure**
FA- Det -IIA	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Det -IIB3	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Det -IIB	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN60	220°C	1.6bar
FA - Det -IIC	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Def -IIA	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Def -IIB3	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Def -IIB	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar
FA - Def -IIC	DN25, DN32, DN40, DN50, DN80, DN100, DN150, DN200, DN250, DN300, DN400, DN500, DN600	220°C	1.6bar

1. IIA group flame arrestor: maximum clearance> 0.9mm, test conditions: temperatures≤220°C, pressure: 160 KPa, test medium: propane-air mixture, medium explosion class: IIA. Test results: the anti-deflagration, anti-detonation, 2-hour burn resistance test, short term burn resistance test and pressure drop test met the requirements of ISO 16852-2016 standard.

2. IIB3 group flame arrestor: maximum clearance≥0.65mm, test conditions: temperatures≤220°C, pressure: 160 KPa, test medium: ethylene-air mixture, medium explosion class: IIB3. Test results: the anti-deflagration, anti-detonation, 2-hour burn resistance test, short term burn resistance test and pressure drop test met the requirements of ISO 16852-2016 standard.

3. IIB group flame arrestor: maximum clearance≥0.5mm, test conditions: temperatures≤220°C, pressure: 160 KPa, test medium: hydrogen-air mixture, medium explosion class: IIB. Test results: the anti-deflagration, anti-detonation, 2-hour burn resistance test, short term burn resistance test and pressure drop test met the requirements of ISO 16852-2016 standard.

4. IIC group flame arrestor: maximum clearance<0.5mm, test conditions: temperatures≤220°C, pressure: 160 KPa, test medium: hydrogen-air mixture, medium explosion class: IIC. Test results: the anti-deflagration, anti-detonation, 2-hour burn resistance test, short term burn resistance test and pressure drop test met the requirements of ISO 16852-2016 standard.

Rapporto di verifica e di prova
Verification and test report

PRD-2024-Q079

Ente Certificazione Macchine srl
Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)
☎ +39 0516705141 🖷 +39 0516705156 ✉ ecm@entecerma.it www.entecerma.it

ATEX-D

Notifica della Garanzia di Qualità della Produzione

Notification of the Production Quality Assurance

ECM 24 ATEX-D QD20

Rilasciato ai sensi della direttiva 2014/34/UE – Allegato IV - Modulo D

Issued according to 2014/34/EU Directive – Annex IV - Module D

Richiedente
Applicant

Ragione Sociale *Company Name*	Hubei Wanan Environmental Petrochemical Equipment Co., Ltd.
Indirizzo *Address*	No. 58, Wenquan East Road, Economic Development Zone, Honghu City, Hubei Province, China.
Sito produttivo *Place of production*	No. 58, Wenquan East Road, Economic Development Zone, Honghu City, Hubei Province, China.
Tipo di componente o prodotto *Type of component or product*	Detonation Flame Arrestor; Deflagration Flame Arrestor

L'**ECM, Organismo Notificato n° 1282** in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, notifica al richiedente che il costruttore ha un sistema di qualità della produzione conforme a quanto previsto dall'allegato IV, Modulo D, della Direttiva.
Nell'allegato aggiornato sono elencati tutti gli apparecchi ed i sistemi di protezione con i numeri dei certificati.

ECM, Notified Body No. 1282 in accordance with Article. 17 of Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, notifies to the applicant that the manufacturer has a production quality system complies with Annex IV, Module D, of the Directive.
Updated Annex lists all equipment and protective systems with the numbers of certificates.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle **Norme applicate:** EN ISO IEC 80079-34:2020.

The essential health and safety requirements are assured by compliance with applied **Standard:** EN ISO IEC 80079-34:2020.

Questo certificato è basato sul rapporto di verifica ispettiva n. PRD-2024-QD20.
I risultati delle verifiche periodiche del sistema qualità sono parte integrante di questa notifica.
Questo Certificato di Notifica della garanzia di qualità della produzione è valido fino al 16/07/2027 e può essere ritirato se dalle verifiche ispettive di sorveglianza risulta che il sistema di qualità della produzione non è più conforme a quanto previsto dall'allegato IV, Modulo D.

This certificate is based on the audit report no. PRD-2024-QD20.
The results of periodic audits of the quality system is an integral part of this notification.
This Certificate of Notification of production quality assurance is valid until 16/07/2027 and can be withdrawn if surveillance audits show that the quality system of production no longer complies with the provisions in Annex IV, Module D.

In accordo con l'articolo 16 paragrafo 3 della Direttiva 2014/34/UE la marcatura CE sul prodotto deve essere seguita dal n. 1282 che identifica ECM come l'Organismo Notificato incaricato della sorveglianza della produzione.

In accordance with Article 16 paragraph 3 of Directive 2014/34/EU the CE marking must be followed by n. 1282 that identifies ECM as Notified Body responsible for supervising the production.

Data di prima emissione
Date of first issue 17/07/2024

☐ Estensione - Extension ☐ Rinnovo - Renewal

Valsamoggia (BO)
Data - *Date* 17/07/2024

Timbro

Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)

Scadenza - *Expiry date* 16/07/2027

Questo certificato, compreso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.
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Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)
☎ +39 0516705141 🖷 +39 0516705156 ✉ ecm@entecerma.it www.entecerma.it

Allegato alla Notifica Garanzia di Qualità Produzione

Annex to Notification of the Production Quality Assurance

ECM 24 ATEX-D QD20

Richiedente
Applicant

Ragione Sociale *Company Name*	Hubei Wanan Environmental Petrochemical Equipment Co., Ltd.
Indirizzo *Address*	No. 58, Wenquan East Road, Economic Development Zone, Honghu City, Hubei Province, China.
Sito produttivo *Place of production*	No. 58, Wenquan East Road, Economic Development Zone, Honghu City, Hubei Province, China.

Apparecchio soggetto a sorveglianza ***Equipment subjected to surveillance***	**Certificato di esame UE del tipo** ***EU-type examination certificate***
Detonation Flame Arrestor FA-Det-DN25~600-IIA/IIB3/IIB/IIC; Deflagration Flame Arrestor FA-Def-DN25~600-IIA/IIB3/IIB/IIC	**ECM 24 ATEX-B Q079**

Valsamoggia (BO)
Data - *Date* 17/07/2024

Timbro

Firma autorizzata
Authorized signature

Amanda Payne
(Deputy Manager)

Scadenza- Expiry date 16/07/2027

Questo allegato può essere riprodotto solo integralmente e senza alcuna variazione, assieme al certificato a cui si riferisce.
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Via Ca' Bella 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO)
☎ +39 0516705141 🖷 +39 0516705156 ✉ ecm@entecerma.it www.entecerma.it

20. ISO15848-1 micro leakage test certificate for self-resetting needle valve

Test Certificate

Emission Test for Valves According to EN ISO 15848-1:2015+A1:2017

Certificate Number	HPiUK-VP1001-513-1
Date of Issue	30-Oct-2023
Manufacturer	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd. 58 Wenquan East Road, Honghu Economic Development Zone. Hubei Province.China.
Inspection Requested By	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd.

Item	DN20 Class150 Self resetting needle valve
Valve Size	DN20
Pressure Rating	Class150
Stem Size	Φ10 mm
Body material	S31608
Stem Seal material	PTFE
Body Seal Material	S31608+PTFE
Valve assembly drawing no.	/

The tested valve covers performance class (para.6.6):

ISO FE BH - CO1 - SSA0 - t (RT) - CL150 - ISO 15848-1

Extension of qualification (in particular) to untested valves in accordance with paragraph 8 of ISO 15848-1

Other stem sizes qualified:	5 mm up to 20 mm
Other pressure ranges qualified:	Class 150 and lower
Reference documents used for inspection	EN ISO 15848-1:2015+A1:2017
Place & date of inspection	Wenzhou City 16/17 Oct 2023
Test Report No.	202310-M-0881513-2
Test Laboratory & Accreditation	Zhejiang Xinhai Testing Co., Ltd. CNAS accreditation No CNAS L10887
Inspected & Tests Witnessed by	Mike Li

Check this certificate is genuine

Quality Director

Technical Manager

This certificate is the property of HPi Verification Services Ltd. & may not be amended or issued to others.

The manufacturer must inform HPi Verification Services Ltd. of any changes that affect any of the assessed Essential Requirements. Failure to do this will invalidate the Certificate.

UK Approved Body No. 1521
Company registered in England #7217086
©HPi Verification Services Ltd.

Tel +44 1491 822818
Email enquiries@hpivs.com
Web www.hpivs.com

HPi Verification Services Ltd.
The Manor House
Howbery Park, Wallingford
OX10 8BA, United Kingdom

Test Certificate

Emission Test for Valves According to EN ISO 15848-1:2015+A1:2017

Certificate Number	HPiUK-VP1001-513-3
Date of Issue	19-Mar-2024
Manufacturer	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province,China.
Inspection Requested By	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd.

Item	DN20 Class150 Self resetting needle valve
Valve Size	DN20
Pressure Rating	Class150
Stem Size	Φ10 mm
Body material	S31608
Stem Seal material	PTFE
Body Seal Material	S31608+PTFE
Valve assembly drawing no.	/

The tested valve covers performance according to ISO15848-1:

ISO FE AH - CO1 - SSA0 - t (RT,400°C) - CL150 - ISO 15848-1

Extension of qualification (in particular) to untested valves in accordance with paragraph 8 of ISO 15848-1

Other stem sizes qualified:	5 mm up to 20 mm
Other pressure ranges qualified:	Class 150 and lower
Reference documents used for inspection	EN ISO 15848-1:2015+A1:2017
Place & date of inspection	Wenzhou City March 17,2024
Test Report No.	202403-M-0881831
Test Laboratory & Accreditation	Zhejiang Xinhai Testing Co., Ltd. CNAS accreditation No CNAS L10887
Inspected & Tests Witnessed by	JOE WANG

Check this certificate is genuine

Managing Director

Technical Manager

This certificate is the property of HPI Verification Services Ltd. & may not be amended or issued to others.

The manufacturer must inform HPI Verification Services Ltd. of any changes that affect any of the assessed Essential Requirements. Failure to do this will invalidate the Certificate.

UK Approved Body No. 1521

Company registered in England #7217086

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Tel +44 1491 822818

Email enquiries@hpivs.com

Web www.hpivs.com

HPI Verification Services Ltd.
The Manor House
Howbery Park, Wallingford
OX10 8BA, United Kingdom

21. Self-resetting needle valve EN 12266-1 micro leakage test certificate

Test Certificate

Emission Test for Valves According to EN 12266-1:2012

Certificate Number	HPiUK-VP1001-513-2
Date of Issue	13-Mar-2024
Manufacturer	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd. 58 Wenquan East Road, Honghu Economic Development Zone, Hubei Province,China.
Inspection Requested By	Hubei Wan'an Environmental Protection Petrochemical Equipment Co., Ltd.

Item	DN20 Class150 Self resetting needle valve
Valve Size	DN20
Pressure Rating	Class150
Stem Size	Φ10 mm
Body material	S31608
Stem Seal material	PTFE
Body Seal Material	S31608+PTFE
Valve assembly drawing no.	/

Maximum allowable seat leakage for:

Rate A according to Table A.5 of EN 12266-1:2012

Extension of qualification (in particular) to untested valves in accordance with EN 12266-1:2012

Other stem sizes qualified:	N/A
Other pressure ranges qualified:	N/A
Reference documents used for inspection	EN 12266-1:2012
Place & date of inspection	Wenzhou City 16/17 Oct 2023
Test Report No.	202310-M-0881513-2
Test Laboratory & Accreditation	Zhejiang Xinhai Testing Co., Ltd. CNAS accreditation No CNAS L10887
Inspected & Tests Witnessed by	Mike Li

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Managing Director

Technical Manager

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Howbery Park, Wallingford
OX10 8BA, United Kingdom

22. High-tech Enterprise Certificate



高新技术企业

证书

企业名称： 湖北万安环保石化设备有限公司　　证书编号：GR202242000795

发证时间： 2022年10月12日　　有 效 期：三年

批准机关：

湖北省科学技术厅　湖北省财政厅　国家税务总局湖北省税务局

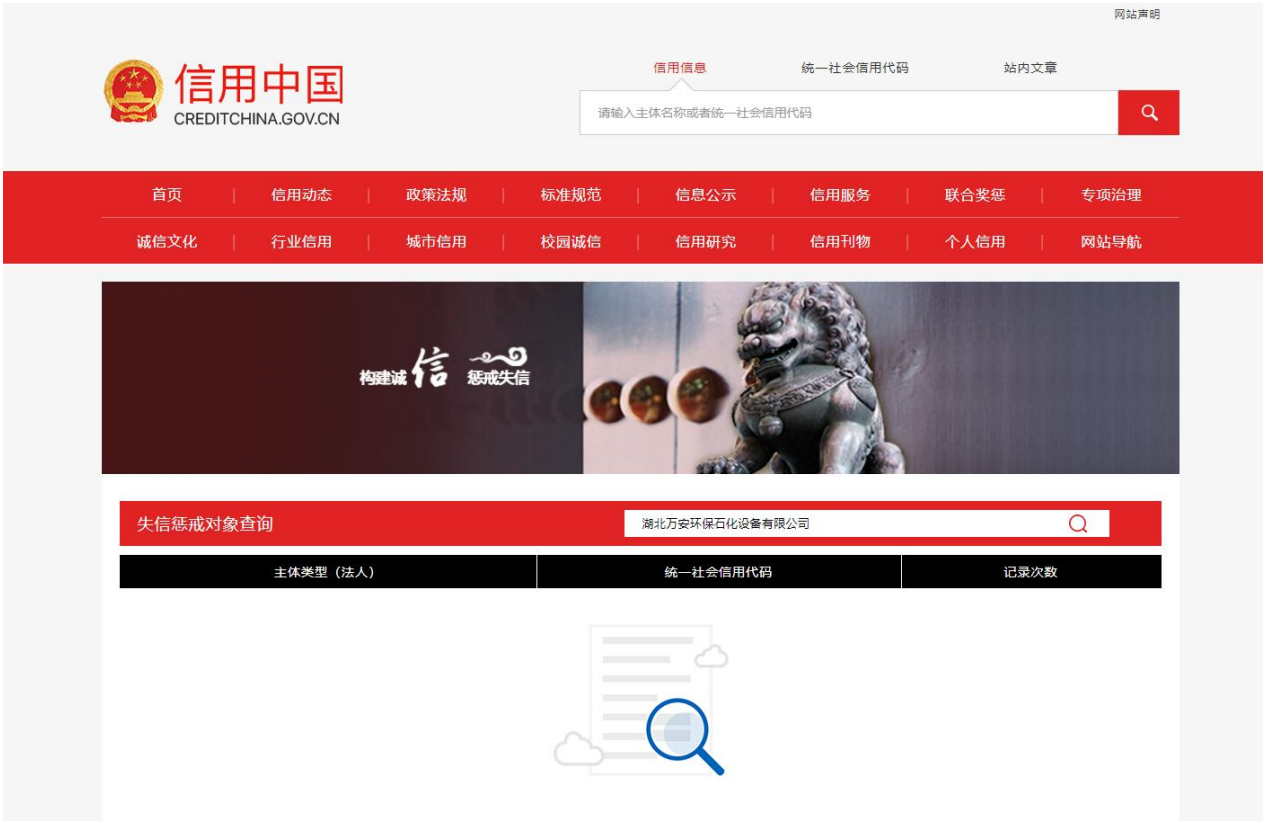
High-tech Enterprise Certificate

Company name: Hubei Wanan Environmental Protection Petrochemical Equipment Co., Ltd.
Issuance date: 2022-10-12
Certificate number: GR202242000795
Validity period: three years

Approval authority:

Hubei Provincial Department of Science and Technology
Hubei Provincial Department of Finance
State Administration of Taxation
Hubei Provincial Taxation Bureau

23.Record of dishonesty on Credit China Screenshot





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主体类型	统一社会信用代码	记录次数



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24.Screenshot of China Referral Network






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案由
法院层级
地域及法院
裁判年份
审判程序
文书类型
案例等级
已选条件:
案件类型：行政案件
全文：湖北万安环保石化设备有限公司
保存搜索条件 清空搜索条件
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法院层级
地域及法院
裁判年份
审判程序
文书类型
案例等级
已选条件:
案件类型：执行案件
全文：湖北万安环保石化设备有限公司
保存搜索条件 清空搜索条件
中国政府公开信息整合服务平台 人民检察院案件信息公开网 中国审判流程信息公开网 中国司法大数据服务网
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裁判年份
审判程序
文书类型
案例等级
已选条件:
案件类型：国家赔偿与司法救助案件
全文：湖北万安环保石化设备有限公司
保存搜索条件 清空搜索条件
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25.Screenshot of Chinese Enterprise Credit Information Publicity System Query



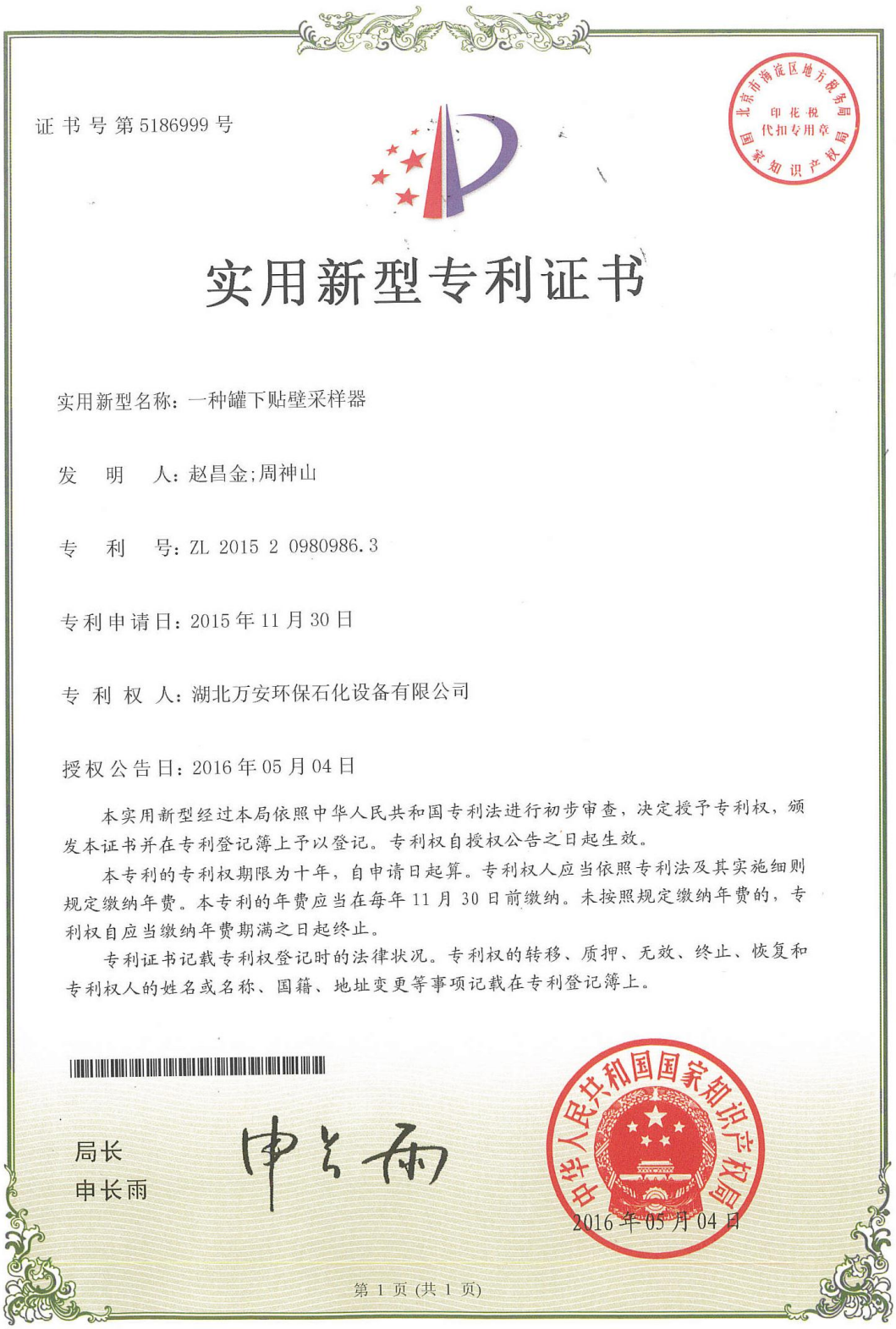



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湖北万安环保石化设备有限公司
存续（在营、开业、在册）
统一社会信用代码： 91421083764139336G
法定代表人： 瞿金祥
登记机关： 洪湖市市场监督管理局
成立日期： 2004年09月13日
发送报告
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列入严重违法失信企业名单（黑名单）信息
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暂无列入严重违法失信企业名单（黑名单）信息
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统一社会信用代码： 91421083764139336G
法定代表人： 瞿金祥
登记机关： 洪湖市市场监督管理局
成立日期： 2004年09月13日
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暂无列入经营异常名录信息
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26.Patents

1) Tank wall attached sampler



证书号第5186999号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种罐下贴壁采样器

发　明　人：赵昌金;周神山

专　利　号：ZL 2015 2 0980986.3

专利申请日：2015年11月30日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2016年05月04日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局

2016年05月04日

第 1 页 (共 1 页)

Certificate No.5186999

Utility model patent certificate

Name of utility model: Tank wall attached sampler
Inventor：Zhao Changjin, Zhou Shenshan
Patent No.：ZL 2015 2 0980986.3
Date of applying for a patent：2015-11-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2016-05-04

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted before 30th of November every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2016-05-04

2) Vacuum sampling system



证书号第11528180号

实用新型专利证书

实用新型名称：一种真空取样系统

发　明　人：卢大瑜

专　利　号：ZL 2019 2 2457027.4

专利申请日：2019年12月31日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖市文泉东路开发区58号

授权公告日：2020年09月22日　　授权公告号：CN 211553425 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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2020年09月22日

第1页(共2页)

其他事项参见续页

Certificate No.11528180

Utility model patent certificate

Name of utility model: Vacuum sampling system
Inventor：Lu Dayu
Patent No.：ZL 2019 2 2457027.4
Date of applying for a patent：2019-12-31
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2020-09-22
Authorization Announcement No.: CN211553425U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2020-09-22

3) Online sampler



证书号第11532154号

实用新型专利证书

实用新型名称：一种在线取样器

发　明　人：卢大瑜

专　利　号：ZL 2019 2 2457061.1

专利申请日：2019年12月31日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖市又泉东路开发区58号

授权公告日：2020年09月22日　　授权公告号：CN 211553401 U

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国家知识产权局
2020年09月22日

第1页(共2页)

其他事项参见续页

Certificate No.11532154

Utility model patent certificate

Name of utility model: Online sampler
Inventor：Lu Dayu
Patent No.：ZL 2019 2 2457061.1
Date of applying for a patent：2019-12-31
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2020-09-22
Authorization Announcement No.: CN211553401U

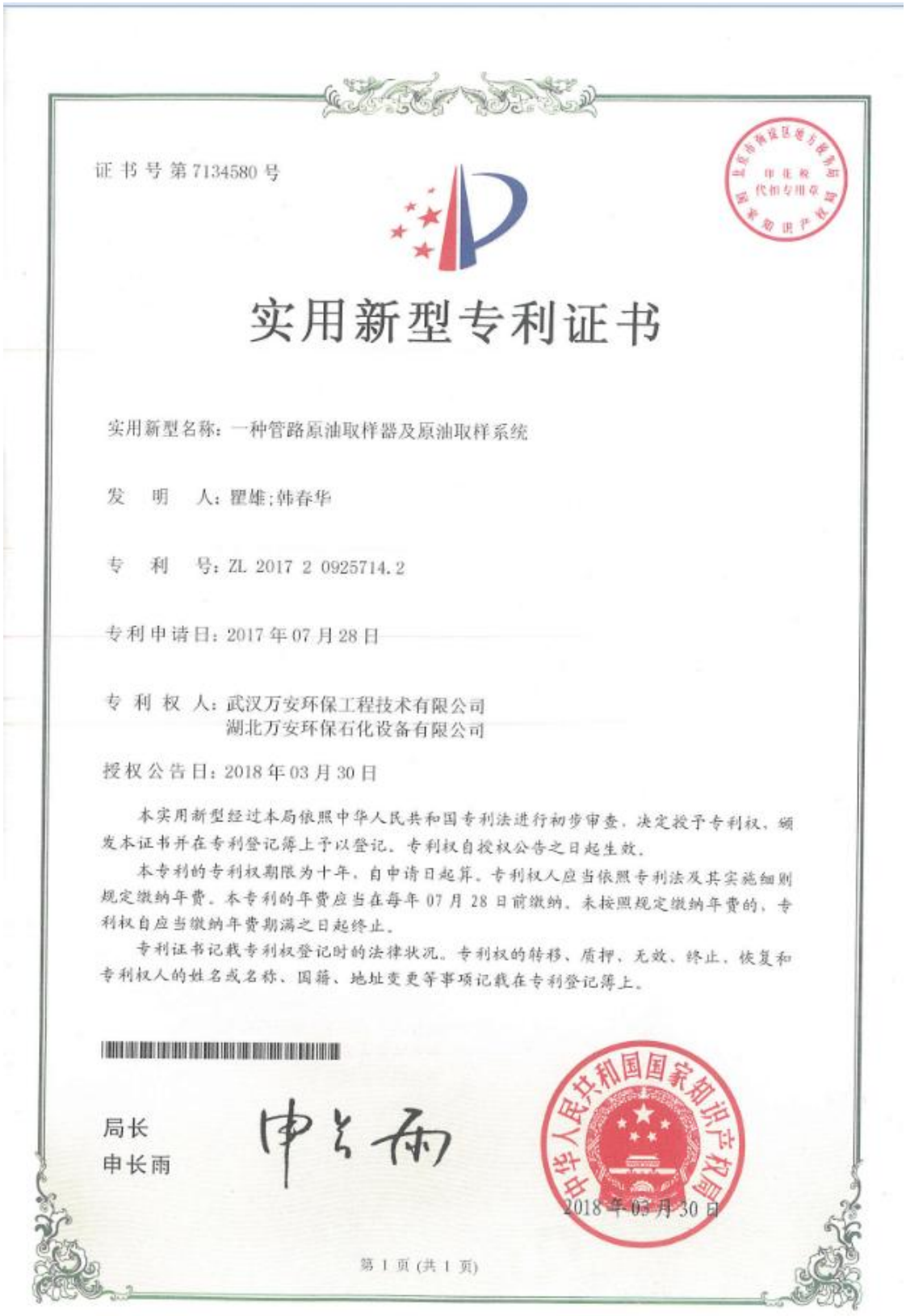
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2020-09-22

4) Pipeline crude oil sampler and system



证书号第7134580号

实用新型专利证书

实用新型名称：一种管路原油取样器及原油取样系统

发　明　人：瞿雄;韩春华

专　利　号：ZL 2017 2 0925714.2

专利申请日：2017年07月28日

专 利 权 人：武汉万安环保工程技术有限公司
湖北万安环保石化设备有限公司

授权公告日：2018年03月30日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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中华人民共和国国家知识产权局
2018年03月30日

第 1 页 (共 1 页)

Certificate No.7134580

Utility model patent certificate

Name of utility model: Pipeline crude oil sampler and system
Inventor：Qu Xiong, Han Chunhua
Patent No.：ZL 2017 2 0925714.2
Date of applying for a patent：2017-07-28
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2018-03-30

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted before 28th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

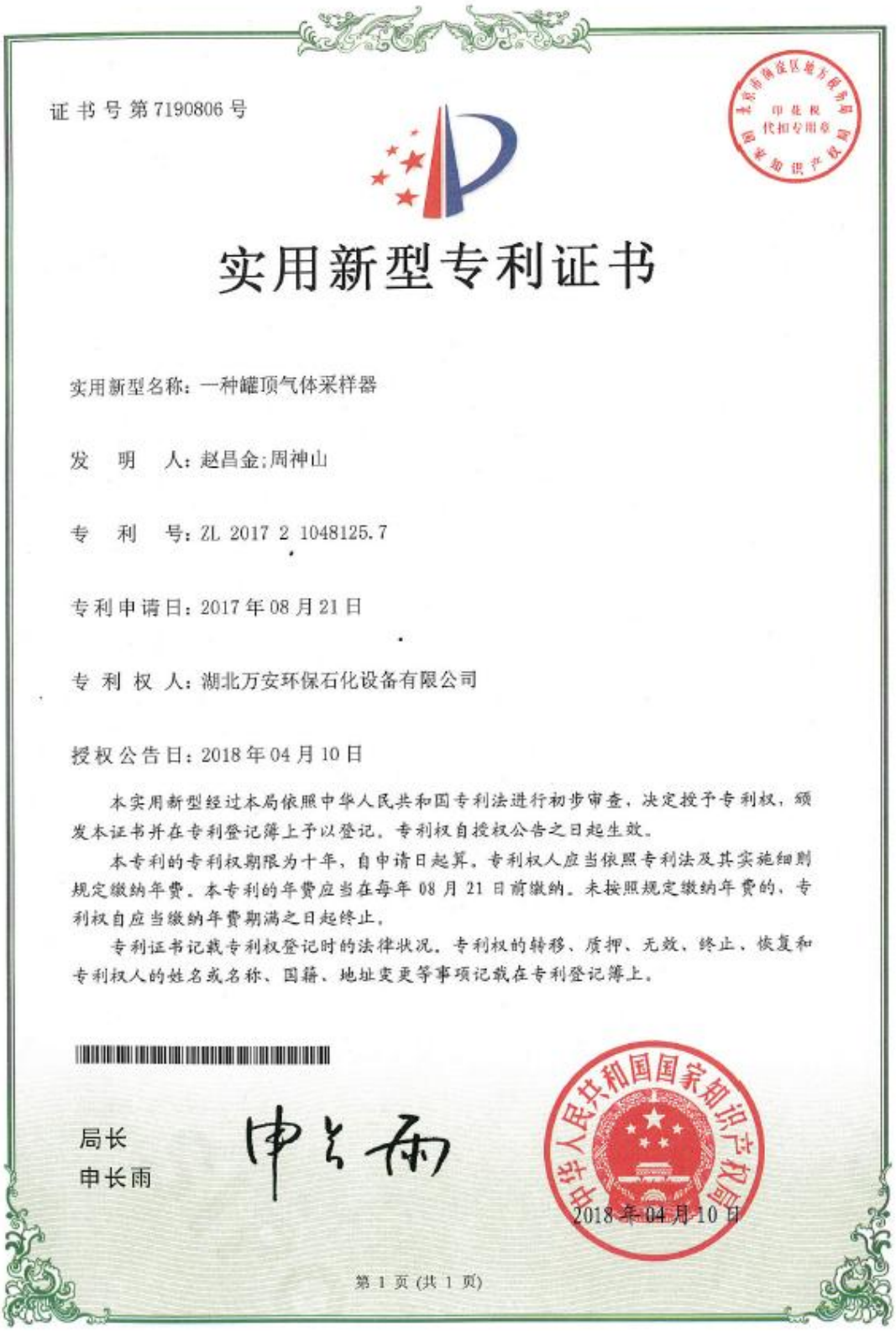
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2018-03-30

5) Tank top gas sampler



证书号第7190806号

实用新型专利证书

实用新型名称：一种罐顶气体采样器

发　明　人：赵昌金;周神山

专　利　号：ZL 2017 2 1048125.7

专利申请日：2017年08月21日

专利权人：湖北万安环保石化设备有限公司

授权公告日：2018年04月10日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年08月21日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

中华人民共和国国家知识产权局
2018年04月10日

第1页(共1页)

Certificate No.7190806

Utility model patent certificate

Name of utility model: Tank top gas sampler
Inventor：Zhao Changjin, Zhou Shenshan
Patent No.：ZL 2017 2 1048125.7
Date of applying for a patent：2017-08-21
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2018-04-10

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted before 21th of August every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

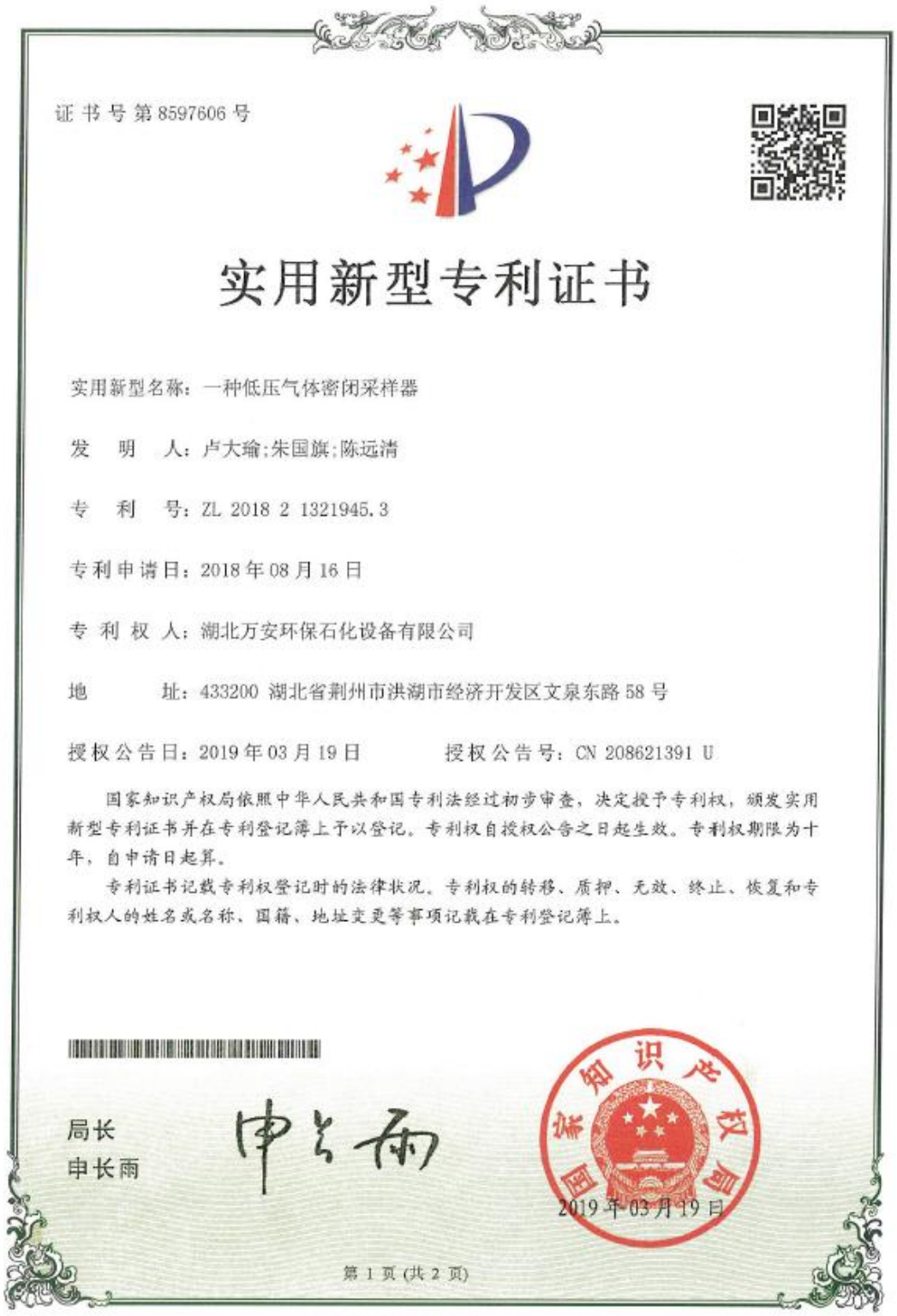
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2018-04-10

6) Low pressure gas sealed sampler



证书号第8597606号

实用新型专利证书

实用新型名称：一种低压气体密闭采样器

发　明　人：卢大瑜;朱国旗;陈远清

专　利　号：ZL 2018 2 1321945.3

专利申请日：2018年08月16日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖市经济开发区文泉东路58号

授权公告日：2019年03月19日　　授权公告号：CN 208621391 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

国家知识产权局
2019年03月19日

第1页(共2页)

其他事项参见背面

Certificate No.8597606

Utility model patent certificate

Name of utility model: Low pressure liquid sealed sampler
Inventor：Lu Dayu, Zhu Guoqi,Chen Yuanqing
Patent No.：ZL 2018 2 1321945.3
Date of applying for a patent：2018-08-16
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2019-03-19
Authorization Announcement No.: CN208621391U

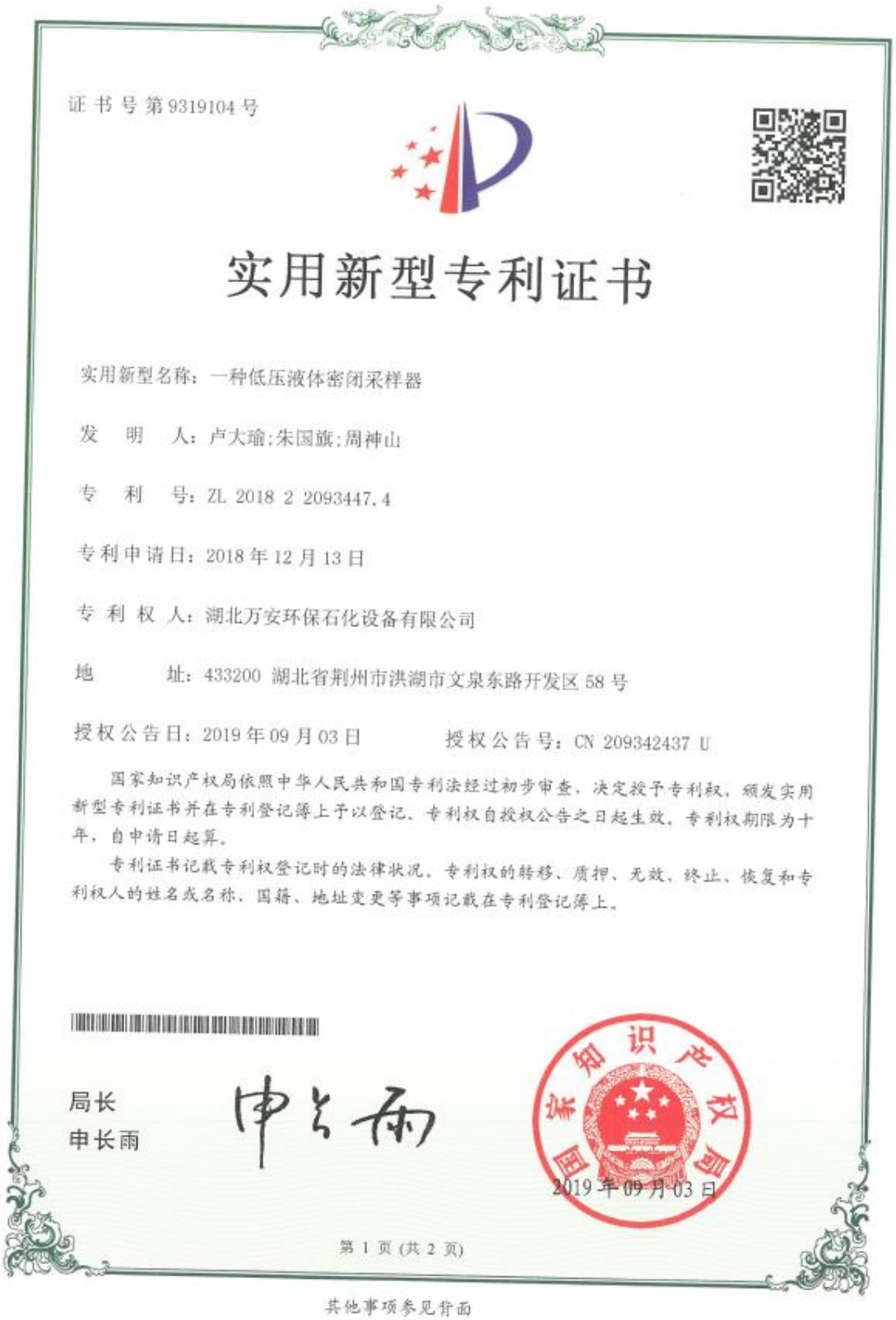
After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2019-03-19

7) Low pressure liquid sealed sampler



证书号第9319104号

实用新型专利证书

实用新型名称：一种低压液体密闭采样器

发　明　人：卢大瑜;朱国旗;周神山

专　利　号：ZL 2018 2 2093447.4

专利申请日：2018年12月13日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖市文泉东路开发区58号

授权公告日：2019年09月03日　　授权公告号：CN 209342437 U

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局长
申长雨

国家知识产权局
2019年09月03日

第1页(共2页)

其他事项参见背面

Certificate No.9319104

Utility model patent certificate

Name of utility model: Low pressure liquid sealed sampler
Inventor：Lu Dayu, Zhu Guoqi,Zhou Shenshan
Patent No.：ZL 2018 2 2093447.4
Date of applying for a patent：2018-12-13
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2019-09-03
Authorization Announcement No.: CN209342437U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2019-09-03

8) Multi-point self-contained nitrogen sampler



证书号第14714243号

实用新型专利证书

实用新型名称：一种多点位自备氮气式采样器

发　明　人：周神山;杨健

专　利　号：ZL 2021 2 0936728.0

专利申请日：2021年04月30日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月16日　　授权公告号：CN 214749236 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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局长
申长雨

国家知识产权局
2021年11月16日

第1页(共2页)

其他事项参见续页

Certificate No.14714243

Utility model patent certificate

Name of utility model: Multi-point self-contained nitrogen sampler
Inventor：Zhou Shenshan, Yang Jian
Patent No.：ZL 2021 2 0936728.0
Date of applying for a patent：2021-04-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2021-11-16
Authorization Announcement No.: CN214749236U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-16

9) Online sampler for heavy oil products



证书号第15173767号

实用新型专利证书

实用新型名称：一种重质油品用在线采样器

发　明　人：颜刚;周神山

专　利　号：ZL 2021 2 0989934.8

专利申请日：2021年05月10日

专 利 权 人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月14日　　授权公告号：CN 215178822 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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局长
申长雨

国家知识产权局
2021年12月14日

第 1 页 (共 2 页)

其他事项参见续页

Certificate No.15173767

Utility model patent certificate

Name of utility model: Online sampler for heavy oil products
Inventor：Yan Gang,Zhou Shenshan
Patent No.：ZL 2021 2 0989934.8
Date of applying for a patent：2021-05-10
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2021-11-14
Authorization Announcement No.: CN215178822U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-14

10) Skid mounted Jet fuel quality detection device



证书号第14707551号

实用新型专利证书

实用新型名称：一种橇装式航煤质量检测装置

发　明　人：周神山;李本西

专　利　号：ZL 2021 2 0990228.5

专利申请日：2021年05月10日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月16日　　授权公告号：CN 214731383 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

国家知识产权局
2021年11月16日

第1页(共2页)

其他事项参见续页

Certificate No.14707551

Utility model patent certificate

Name of utility model: Skid mounted Jet fuel quality detection device
Inventor：Zhou Shenshan , Li Benxi
Patent No.：ZL 2021 2 0990228.5
Date of applying for a patent：2021-05-10
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2021-11-16
Authorization Announcement No.: CN2147731383U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-16

11) Automatic homogenization online oil detection tank



证书号第14751597号

实用新型专利证书

实用新型名称：一种自动均质油品在线检测罐

发　明　人：周神山;李本西

专　利　号：ZL 2021 2 0989914.0

专利申请日：2021年05月10日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月19日　　授权公告号：CN 214778239 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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局长
申长雨

国家知识产权局

2021年11月19日

第1页(共2页)

其他事项参见续页

Certificate No.14751597

Utility model patent certificate

Name of utility model: Automatic homogenization online oil detection tank
Inventor：Zhou Shenshan , Li Benxi
Patent No.：ZL 2021 2 0989914.0
Date of applying for a patent：2021-05-10
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2021-11-19
Authorization Announcement No.: CN214778239U

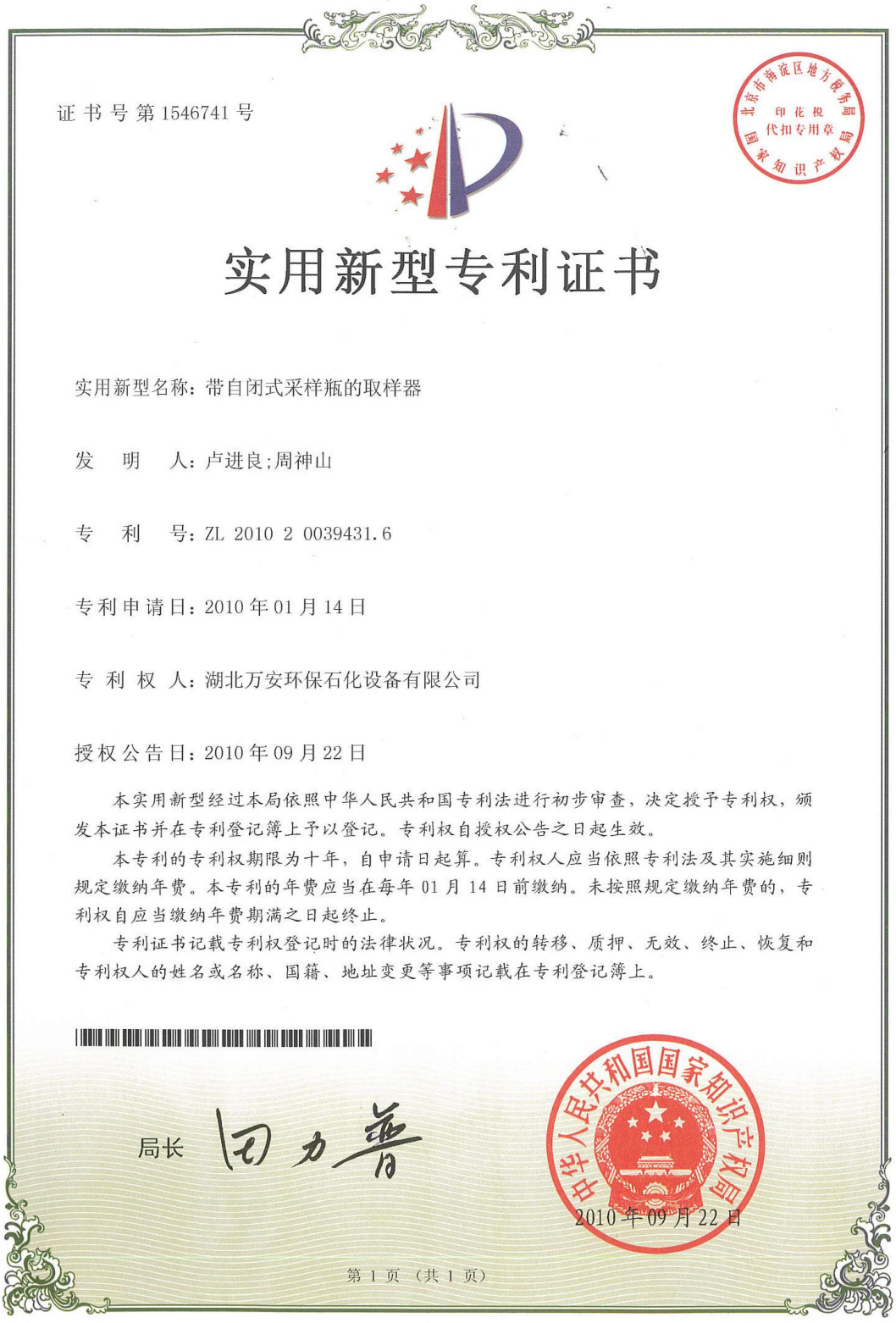
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-19

12) Sampler with self closing sampling bottle



证书号第1546741号

北京市海淀区地方税务局 印花税代扣专用章

国家知识产权局

实用新型专利证书

实用新型名称：带自闭式采样瓶的取样器

发　明　人：卢进良;周神山

专　利　号：ZL 2010 2 0039431.6

专利申请日：2010年01月14日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2010年09月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长 田力普

中华人民共和国国家知识产权局

2010年09月22日

第1页（共1页）

Certificate No.1546741

Utility model patent certificate

Name of utility model: Sampler with self closing sampling bottle
Inventor：Lu Jinliang, Zhou Shenshan
Patent No.：ZL 2010 2 0039431.6
Date of applying for a patent：2010-01-14
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2010-09-22

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 14th of January every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

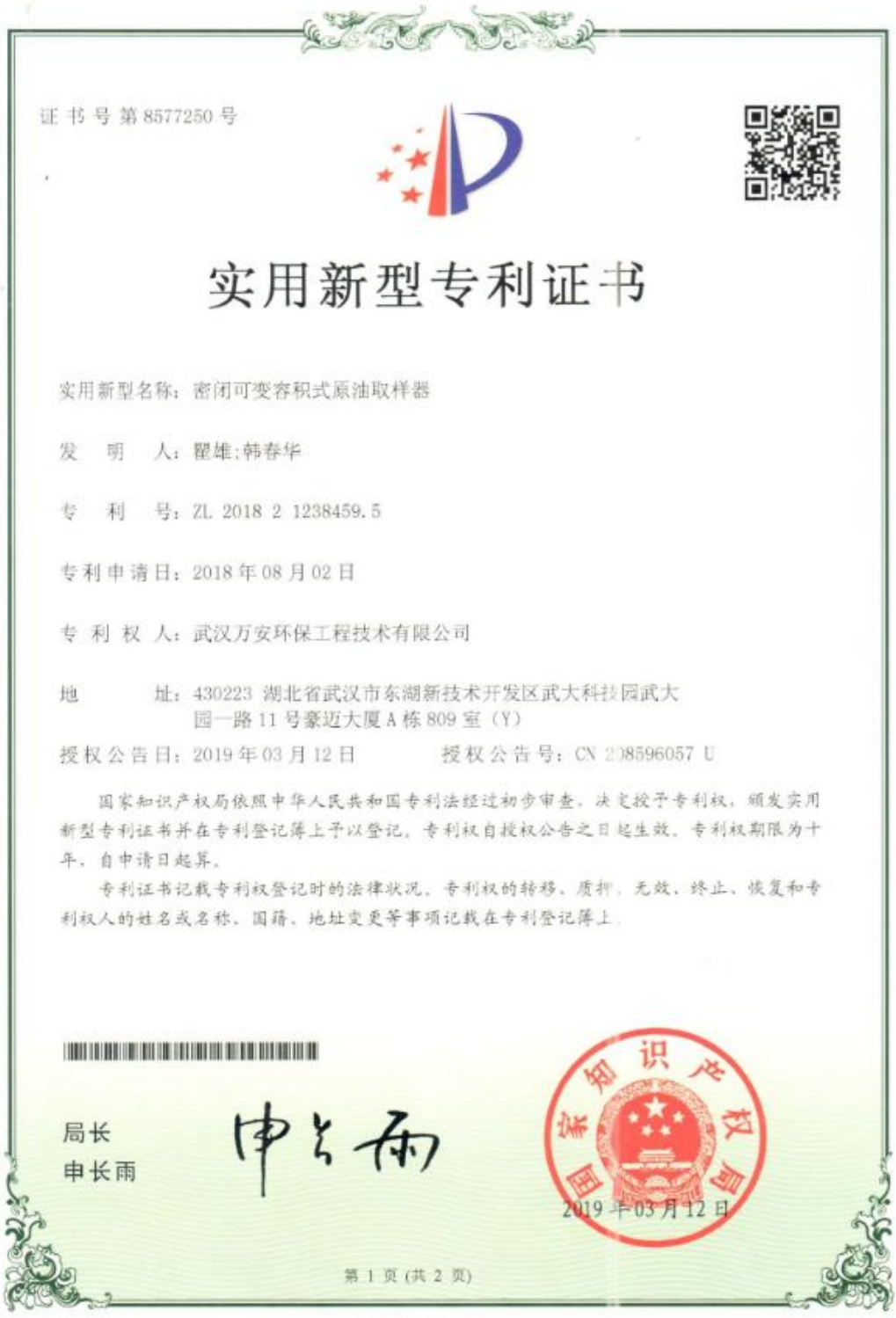
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2010-09-22

13) Closed variable volume crude oil sampler



证书号第8577250号

实用新型专利证书

实用新型名称：密闭可变容积式原油取样器

发　明　人：瞿雄;韩春华

专　利　号：ZL 2018 2 1238459.5

专利申请日：2018年08月02日

专 利 权 人：武汉万安环保工程技术有限公司

地　　址：430223 湖北省武汉市东湖新技术开发区武大科技园武大园一路11号豪迈大厦A栋809室（Y）

授权公告日：2019年03月12日　　授权公告号：CN 208596057 U

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局长
申长雨

国家知识产权局
2019年03月12日

第 1 页（共 2 页）

其他事项参见背面

Certificate No.8577250

Utility model patent certificate

Name of utility model: Closed variable volume crude oil sampler
Inventor：Qu Xiong，Han Chunhua
Patent No.：ZL 2018 2 1238459.5
Date of applying for a patent：2018-08-02
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2019-03-12
Authorization Announcement No.: CN208596057U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2019-03-12

14) Crude oil sampling system for preventing oil condensation



证书号第3004402号

发明专利证书

发明名称：一种可防止油品凝结的原油取样系统

发　明　人：韩春华;瞿雄

专　　利　号：ZL 2016 1 0347152.8

专利申请日：2016年05月23日

专利权人：武汉万安环保工程技术有限公司

地　　址：430223 湖北省武汉市东湖新技术开发区武大科技园武大园一路11号豪迈大厦A栋809室（Y）

授权公告日：2018年07月20日　　授权公告号：CN 105865844 B

本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为二十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年05月23日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

国家知识产权局
2018年07月20日

第1页(共1页)

Certificate No.3004402

Utility model patent certificate

Name of utility model: Crude oil sampling system for preventing oil condensation
Inventor：Qu Xiong，Han Chunhua
Patent No.：ZL 2016 1 0347152.8
Date of applying for a patent：2016-05-23
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2018-07-20
Authorization Announcement No.: CN105865844B

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is twenty years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted before 23th of May every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2018-07-20

15) Insulated crude oil sampling bottle



证书号第6351250号

实用新型专利证书

实用新型名称：一种原油保温取样瓶

发　明　人：周神山;瞿雄;韩春华

专　利　号：ZL 2017 2 0045333.5

专利申请日：2017年01月16日

专利权人：武汉万安环保工程技术有限公司

授权公告日：2017年08月04日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年01月16日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

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局长
申长雨

中华人民共和国国家知识产权局
2017年08月04日

第1页(共1页)

Certificate No.6351250

Utility model patent certificate

Name of utility model: Insulated crude oil sampling bottle
Inventor：Zhou Shenshan，Qu Xiong，Han Chunhua
Patent No.：ZL 2017 2 0045333.5
Date of applying for a patent：2017-01-16
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2011-08-04

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 16th of January every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-08-04

16) Sampler with self resetting valve



证书号第14001549号

实用新型专利证书

实用新型名称：一种自动复位阀采样器

发　明　人：卢大瑜;周神山;王浩

专　利　号：ZL 2020 2 3164491.3

专利申请日：2020年12月24日

专 利 权 人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年08月24日　　授权公告号：CN 214040813 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

国家知识产权局

2021年08月24日

第 1 页 (共 2 页)

其他事项参见续页

Certificate No.14001549

Utility model patent certificate

Name of utility model: Sampler with self resetting valve
Inventor：Lu Dayu，Zhou Shenshan , Wang Hao
Patent No.：ZL 2020 2 3164491.3
Date of applying for a patent：2020-2-24
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD：No.58 East Wenquan Road, Honghu city,Hubei Province,China
Authorization announcement date: 2021-08-24
Authorization Announcement No.: CN214040813U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-08-24

17) Siphon type intelligent oil tank dehydrator system



证书号第8601905号

实用新型专利证书

实用新型名称：虹吸式油罐智能脱水系统

发　明　人：瞿雄;韩春华

专　利　号：ZL 2018 2 1239822.5

专利申请日：2018年08月02日

专利权人：武汉万安环保工程技术有限公司

地　　址：430223 湖北省武汉市东湖新技术开发区武大科技园武大园一路11号豪迈大厦A栋809室（Y）

授权公告日：2019年03月19日　　授权公告号：CN 208616596 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

国家知识产权局
2019年03月19日

第1页（共2页）

其他事项参见背面

Certificate No.8601905

Utility model patent certificate

Name of utility model: Siphon type intelligent oil tank dehydrator system
Inventor：Qu Xiong，Han Chunhua
Patent No.：ZL 2018 2 1239822.5
Date of applying for a patent：2018-08-02
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2019-03-19
Authorization Announcement No.: CN208616596U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2019-03-19

18) Water cutter



证书号第6510515号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种切水器

发　明　人：瞿雄;韩春华

专　利　号：ZL 2017 2 0108394.1

专利申请日：2017年02月05日

专 利 权 人：武汉万安环保工程技术有限公司
湖北万安环保石化设备有限公司

授权公告日：2017年10月03日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局

2017年10月03日

第 1 页 (共 1 页)

Certificate No.6510515

Utility model patent certificate

Name of utility model: Water cutter
Inventor：Qu Xiong，Han Chunhua
Patent No.：ZL 2017 2 0108394.1
Date of applying for a patent：2017-02-05
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017-10-03

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 5th of February every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

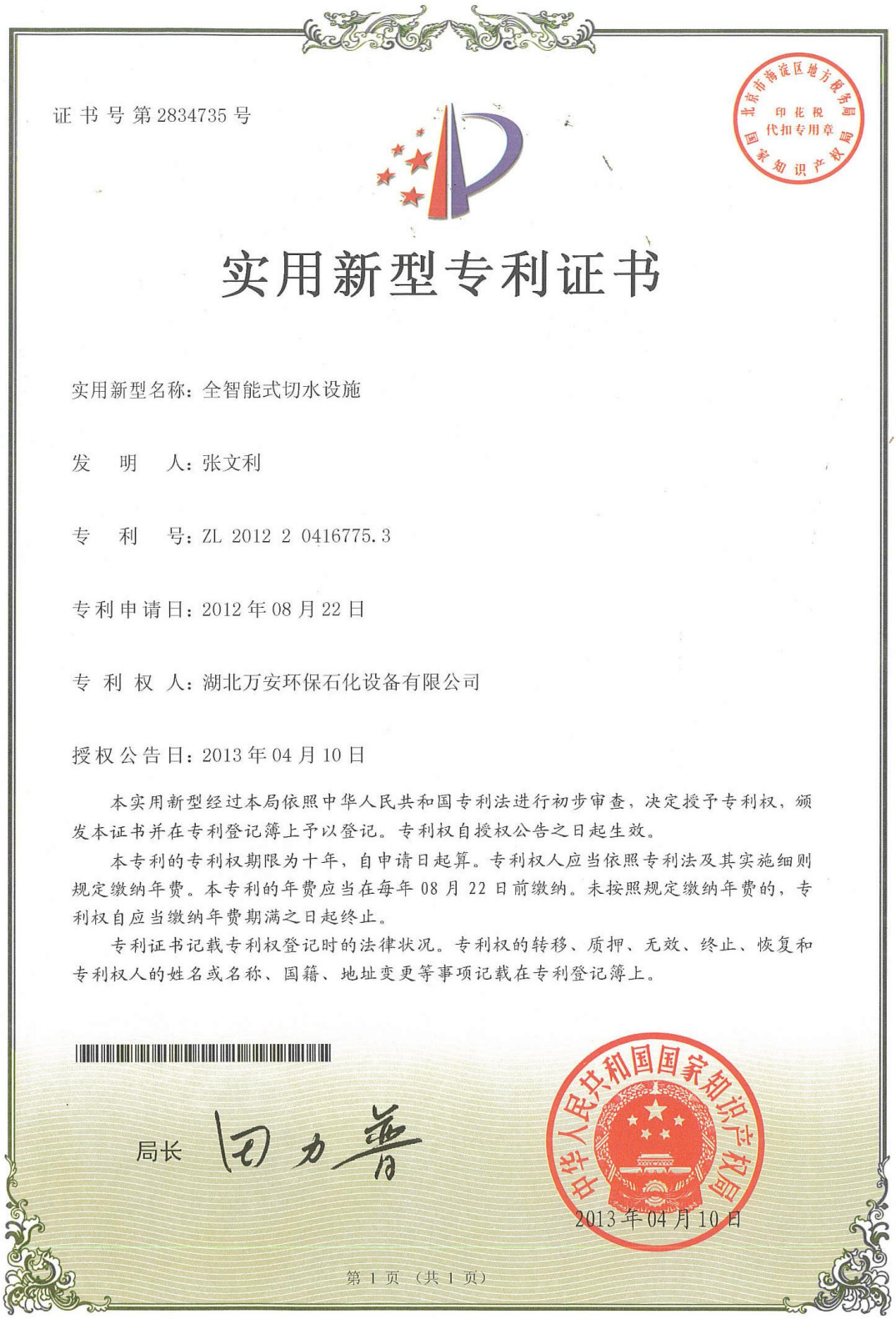
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-10-03

19) Automatic water cutter



证书号第2834735号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：全智能式切水设施

发　明　人：张文利

专　利　号：ZL 2012 2 0416775.3

专利申请日：2012 年 08 月 22 日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2013 年 04 月 10 日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年 08 月 22 日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

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局长

中华人民共和国国家知识产权局

2013 年 04 月 10 日

第 1 页（共 1 页）

Certificate No.2834735

Utility model patent certificate

Name of utility model: Automatic water cutter
Inventor：Zhang Wenli
Patent No.：ZL 2012 2 0416775.3
Date of applying for a patent：2012-08-22
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2013-04-10

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 22th of August every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2013-04-10

证书号第1669441号

发明专利证书

发明名称：全智能式切水设施

发　明　人：段洪帝;吴子金;卢进良;卢凯

专　利　号：ZL 2012 1 0300759.2

专利申请日：2012年08月22日

专利权人：湖北万安环保石化设备有限公司

授权公告日：2015年05月20日

本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为二十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年08月22日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

中华人民共和国国家知识产权局
2015年05月20日

Certificate No.1669441

Utility model patent certificate

Name of utility model: Automatic water cutter
Inventor：Duan Hongdi， Wu Zijin，Lu Jinliang，Lu Kai
Patent No.：ZL 2012 1 0300759.2
Date of applying for a patent：2012-8-22
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2015-05-20

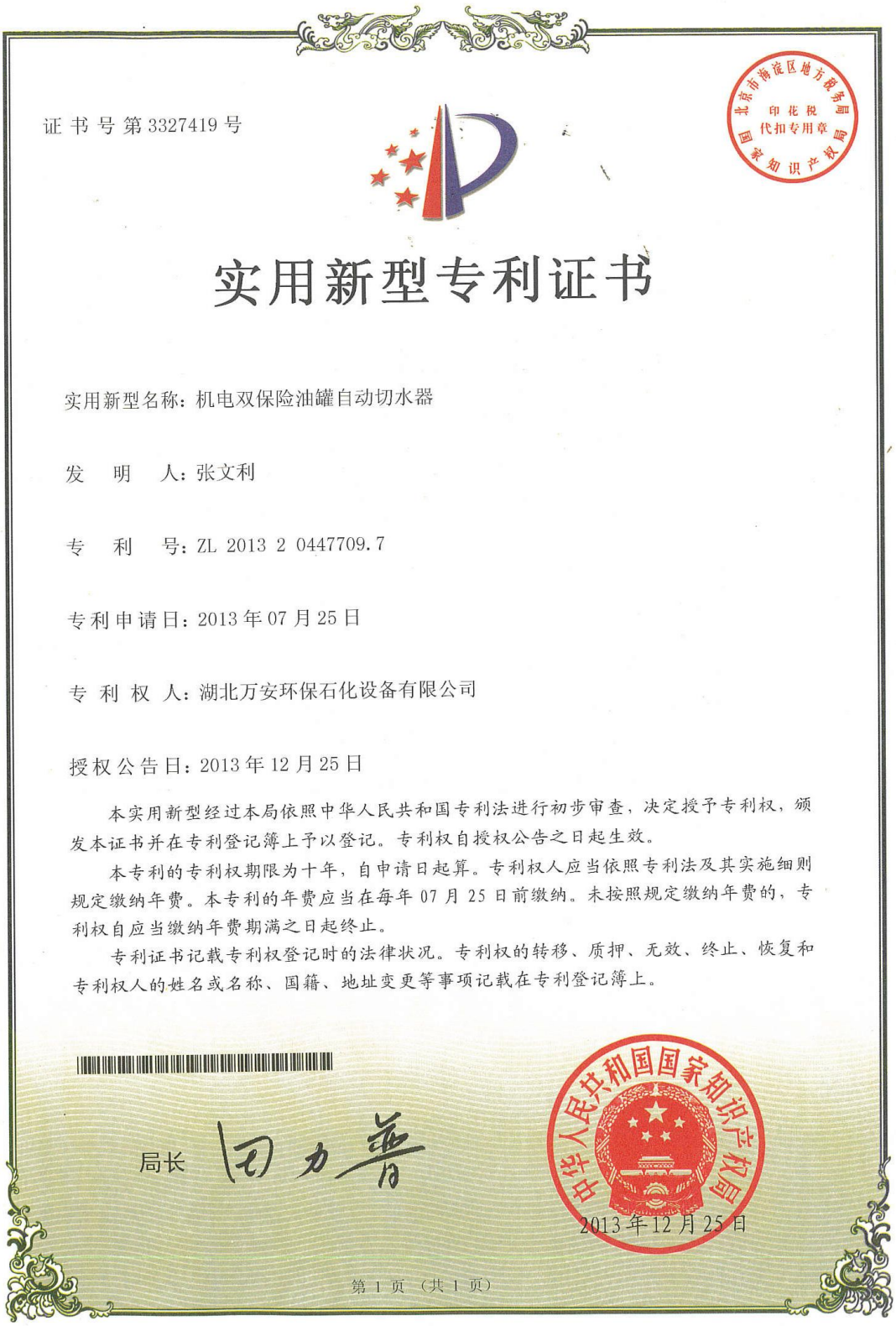
After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 22th of August every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2015-05-20

20) Electromechanical double safety oil tank automatic water cutter



证书号第3327419号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：机电双保险油罐自动切水器

发　明　人：张文利

专　利　号：ZL 2013 2 0447709.7

专利申请日：2013年07月25日

专利权人：湖北万安环保石化设备有限公司

授权公告日：2013年12月25日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年07月25日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 田力普

中华人民共和国国家知识产权局

2013年12月25日

第1页（共1页）

Certificate No.3327419

Utility model patent certificate

Name of utility model: Electromechanical double safety oil tank automatic water cutter
Inventor：Zhang Wenli
Patent No.：ZL 20 2 0447709.7
Date of applying for a patent：2013-07-25
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2013-12-25

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 25th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2013-12-25

21) Intelligent spherical tank dehydrator



证书号第15217006号

实用新型专利证书

实用新型名称：一种智能球罐脱水器

发　明　人：段洪帝;韩春华;周神山

专　利　号：ZL 2021 2 0936729.5

专利申请日：2021年04月30日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月21日　　授权公告号：CN 215259212 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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局长
申长雨

国家知识产权局

2021年12月21日

第1页(共2页)

其他事项参见续页

Certificate No.15217006

Utility model patent certificate

Name of utility model: Intelligent spherical tank dehydrator
Inventor：Duan Hongdi， Han Chunhua， Zhou Shenshan
Patent No.：ZL 2021 2 0936729.5
Date of applying for a patent：2021-04-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2021-12-21
Authorization Announcement No.: CN215259212U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-21

22) Integrated dissolution dosing skid



证书号第6125914号

北京市海淀区地方税务局 印花税代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一体化溶药投加撬装装置

发　明　人：卢进松;肖军

专　利　号：ZL 2016 2 1115219.7

专利申请日：2016年10月12日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2017年05月10日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年10月12日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

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申长雨

中华人民共和国国家知识产权局

2017年05月10日

第 1 页 (共 1 页)

Certificate No.6125909

Utility model patent certificate

Name of utility model: Integrated dissolution dosing skid
Inventor： Lu Jinsong，Xiao Jun
Patent No.：ZL 2016 2 1115216.7
Date of applying for a patent：2016-10-12
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017-05-10

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 12th of October every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

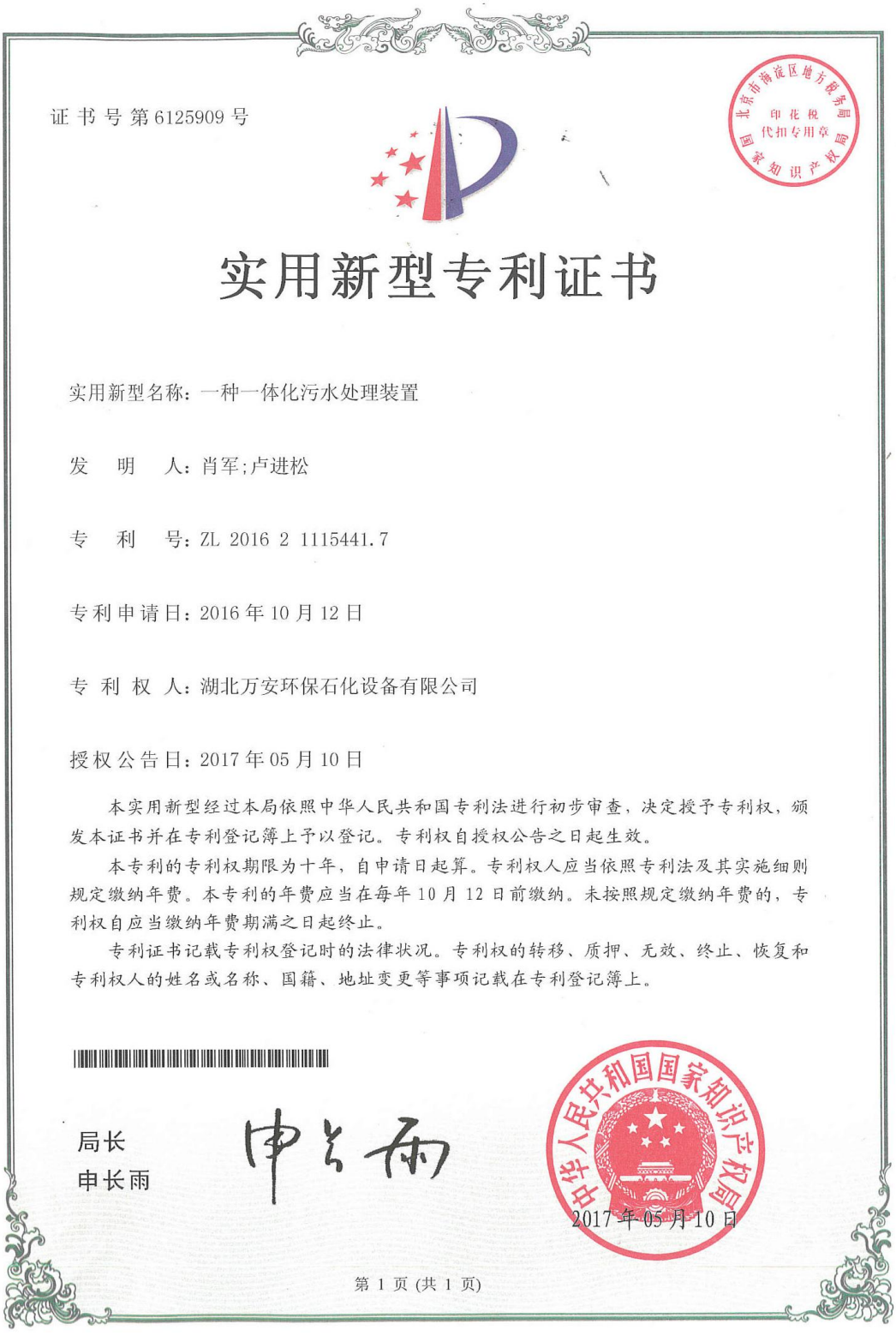
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-05-10

23) Integrated sewage treatment device



证书号第6125909号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种一体化污水处理装置

发　明　人：肖军;卢进松

专　利　号：ZL 2016 2 1115441.7

专利申请日：2016年10月12日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2017年05月10日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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申长雨

中华人民共和国国家知识产权局

2017年05月10日

第 1 页 (共 1 页)

Certificate No.6125909

Utility model patent certificate

Name of utility model: Integrated sewage treatment device
Inventor：Xiao Jun， Lu Jinsong
Patent No.：ZL 2016 2 1115441.7
Date of applying for a patent：2016-10-12
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017-05-10

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

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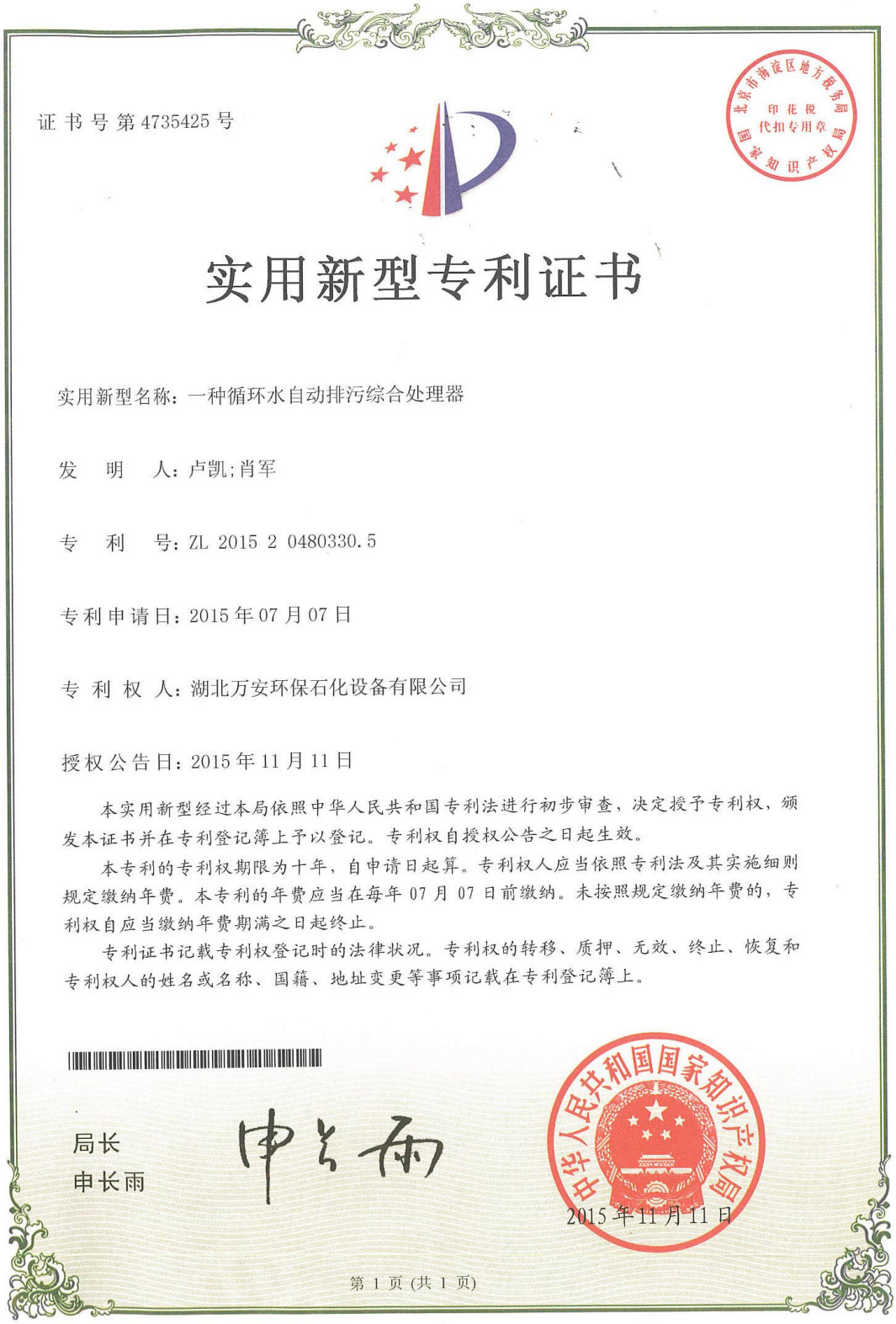
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-05-10

24) Circulating water automatic blowdown integrated processor



证书号第4735425号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种循环水自动排污综合处理器

发　明　人：卢凯;肖军

专　利　号：ZL 2015 2 0480330.5

专利申请日：2015年07月07日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2015年11月11日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年07月07日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

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申长雨

中华人民共和国国家知识产权局

2015年11月11日

第 1 页 (共 1 页)

Certificate No.4735425

Utility model patent certificate

Name of utility model: Circulating water automatic blowdown integrated processor
Inventor：Lu Kai，Xiao Jun
Patent No.：ZL 2015 2 0480330.5
Date of applying for a patent：2015-07-07
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2015-11-11

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 7th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2015-11-11

25) Sewage treatment equipment



证书号第6510639号

实用新型专利证书

实用新型名称：一种污水处理设备

发　明　人：瞿雄;宋善祥;韩春华

专　利　号：ZL 2017 2 0108406.0

专利申请日：2017年02月05日

专利权人：武汉万安环保工程技术有限公司
湖北万安环保石化设备有限公司

授权公告日：2017年10月03日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局

2017年10月03日

第1页(共1页)

Certificate No.6510639

Utility model patent certificate

Name of utility model: Sewage treatment equipment
Inventor：Qu Xiong，Song Shanxiang, Han Chunhua
Patent No.：ZL 2017 2 0108406.0
Date of applying for a patent：2017-02-15
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017-10-03

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 2nd of February every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

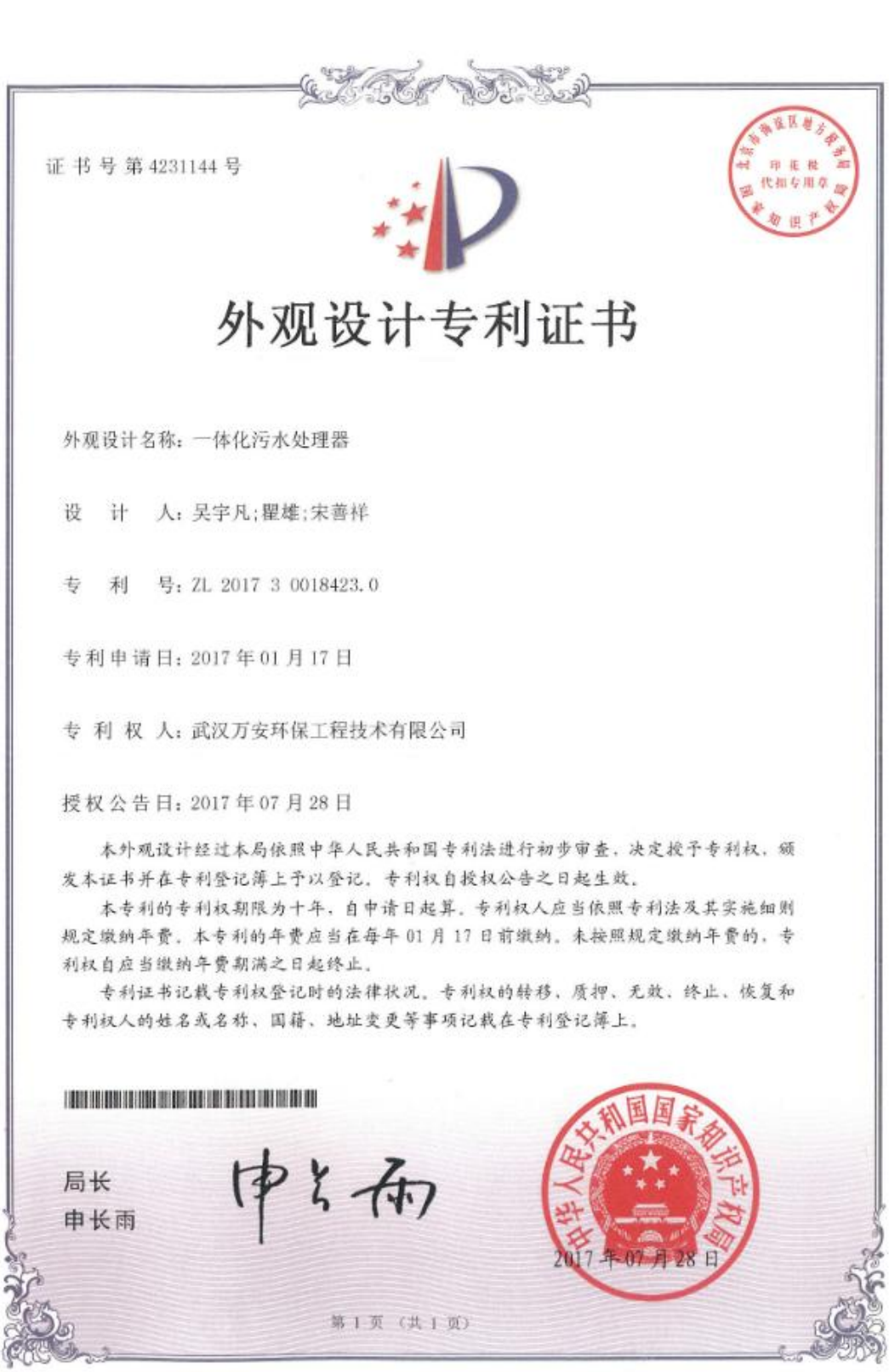
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-10-03

26) Integrated sewage processor



证书号第4231144号

外观设计专利证书

外观设计名称：一体化污水处理器

设　计　人：吴宇凡;瞿雄;宋善祥

专　利　号：ZL 2017 3 0018423.0

专利申请日：2017年01月17日

专利权人：武汉万安环保工程技术有限公司

授权公告日：2017年07月28日

本外观设计经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年01月17日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

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局长
申长雨

中华人民共和国国家知识产权局
2017年07月28日

第1页（共1页）

Certificate No.4231144

Utility model patent certificate

Name of utility model: Integrated sewage processor
Inventor：Wu Yufan，Song Shanxiang, Qu Xiong
Patent No.：ZL 2017 3 0018423.0
Date of applying for a patent：2017-01-17
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2017-07-28

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 17th of January every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

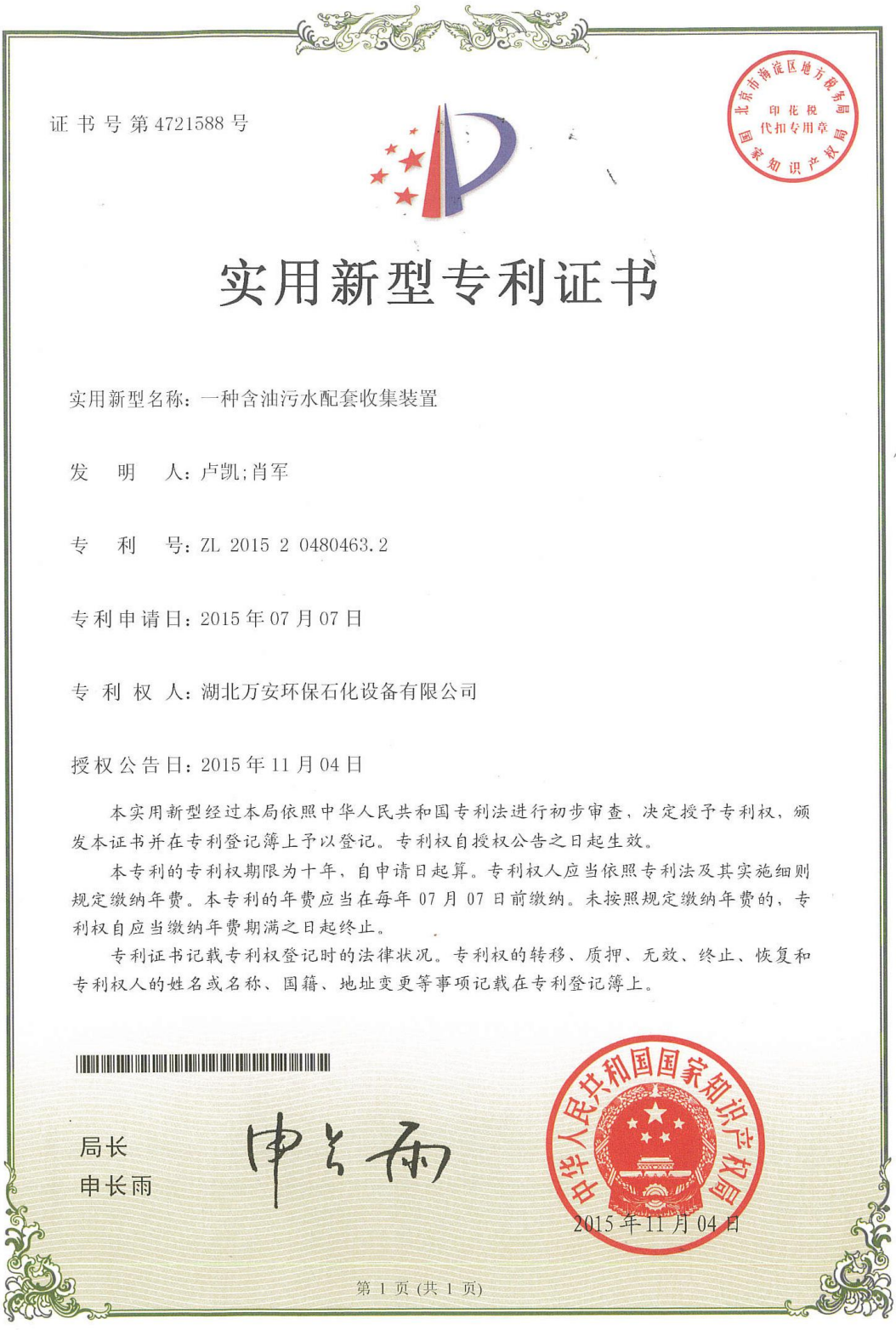
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-07-28

27) Complete set of oily sewage collection device



证书号第4721588号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种含油污水配套收集装置

发　明　人：卢凯;肖军

专　利　号：ZL 2015 2 0480463.2

专利申请日：2015年07月07日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2015年11月04日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局

2015年11月04日

第 1 页 (共 1 页)

Certificate No.4721588

Utility model patent certificate

Name of utility model: Complete set of oily sewage collection device
Inventor：Lu Kai，Xiao Jun
Patent No.：ZL 2015 2 0480463.2
Date of applying for a patent：2015-07-07
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2015-11-04

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 7th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2015-11-04

28) Skid mounted system for oily wastewater treatment



证书号第6287997号

实用新型专利证书

实用新型名称：一种用于含油污水处理的撬装系统

发　明　人：瞿雄;宋善祥

专　利　号：ZL 2016 2 1090164.9

专利申请日：2016年09月28日

专利权人：武汉万安环保工程技术有限公司

授权公告日：2017年07月07日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局
2017年07月07日

第1页(共1页)

Certificate No.6287997

Utility model patent certificate

Name of utility model: Skid mounted system for oily wastewater treatment
Inventor：Song Shanxiang, Qu Xiong
Patent No.：ZL 2016 2 1090164.9
Date of applying for a patent：2016-09-28
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2017-07-07

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 28th of September every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-07-07

29) Rotating mixing nozzle



证书号第2270573号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种旋转喷射搅拌器

发　明　人：吴子金

专　利　号：ZL 2011 2 0386821.5

专利申请日：2011年10月10日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2012年07月04日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长 田力普

中华人民共和国国家知识产权局

2012年07月04日

第1页（共1页）

Certificate No.2270573

Utility model patent certificate

Name of utility model: Rotating mixing nozzle
Inventor：Wu Zijin
Patent No.：ZL 2011 2 0386821.5
Date of applying for a patent：2011-10-10
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2012-07-14

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 10th of October every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2012-07-14

30) Small efficient cooler



证书号第6323531号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种小型高效冷却器

发　明　人：卢大瑜;周神山

专　利　号：ZL 2016 2 1266146.1

专利申请日：2016年11月24日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2017年07月21日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年11月24日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

中华人民共和国国家知识产权局
2017年07月21日

第 1 页 (共 1 页)

Certificate No.6323531

Utility model patent certificate

Name of utility model: Small efficient cooler
Inventor：Lu Dayu，Zhou Shenshan
Patent No.：ZL 2016 2 1266146.1
Date of applying for a patent：2016.11.24
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017.07.21

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 24th of November every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

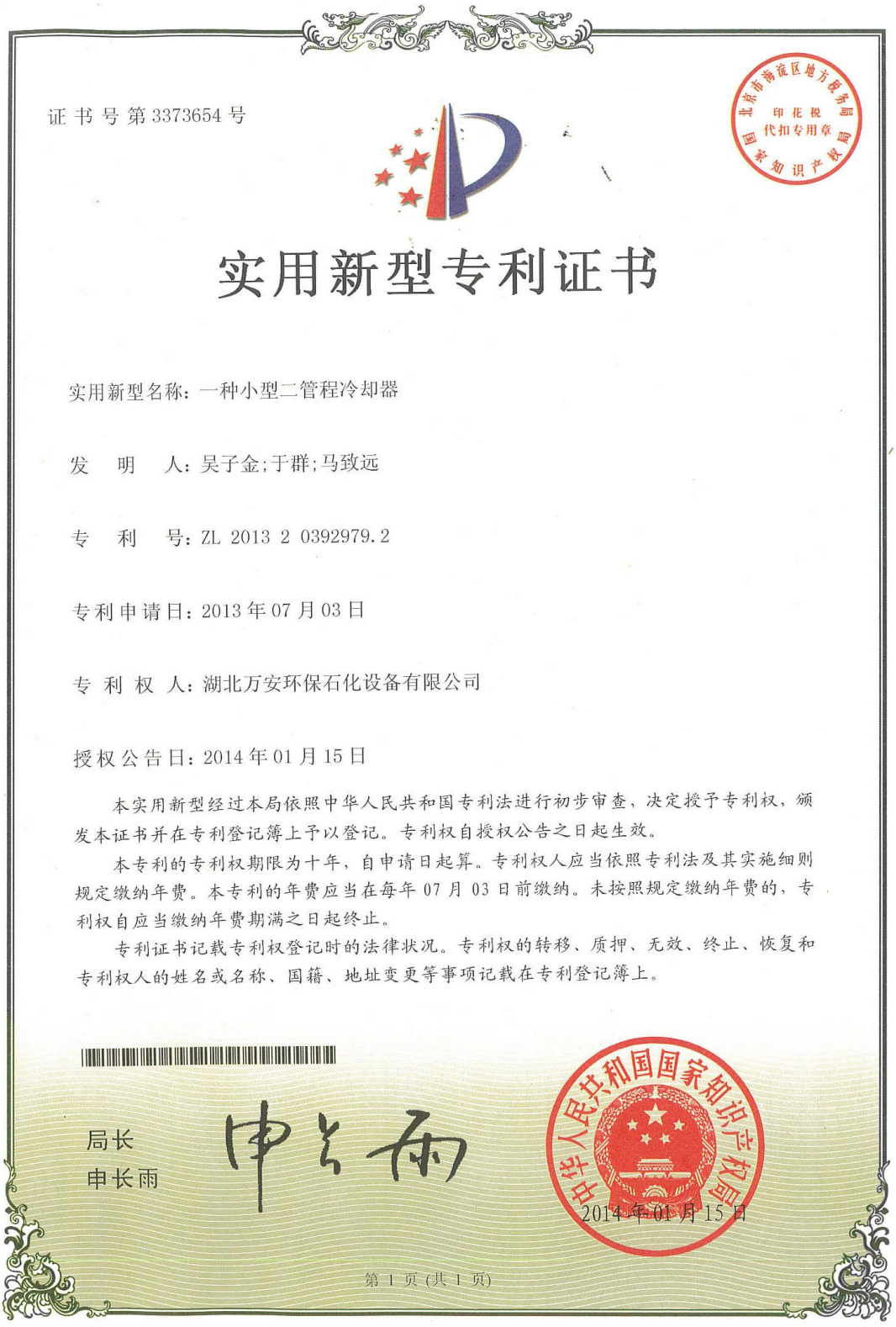
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-07-21

31) Small two tube pass cooler



证书号第3373654号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种小型二管程冷却器

发　明　人：吴子金;于群;马致远

专　利　号：ZL 2013 2 0392979.2

专利申请日：2013年07月03日

专利权人：湖北万安环保石化设备有限公司

授权公告日：2014年01月15日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局
2014年01月15日

第1页(共1页)

Certificate No.3373654

Utility model patent certificate

Name of utility model: Small two tube pass cooler
Inventor：Wu Zijin， Yu Qun， Ma Zhiyuan
Patent No.：ZL 2013 2 0392979.2
Date of applying for a patent：2013.07.03
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2014-01-15

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 3rd of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

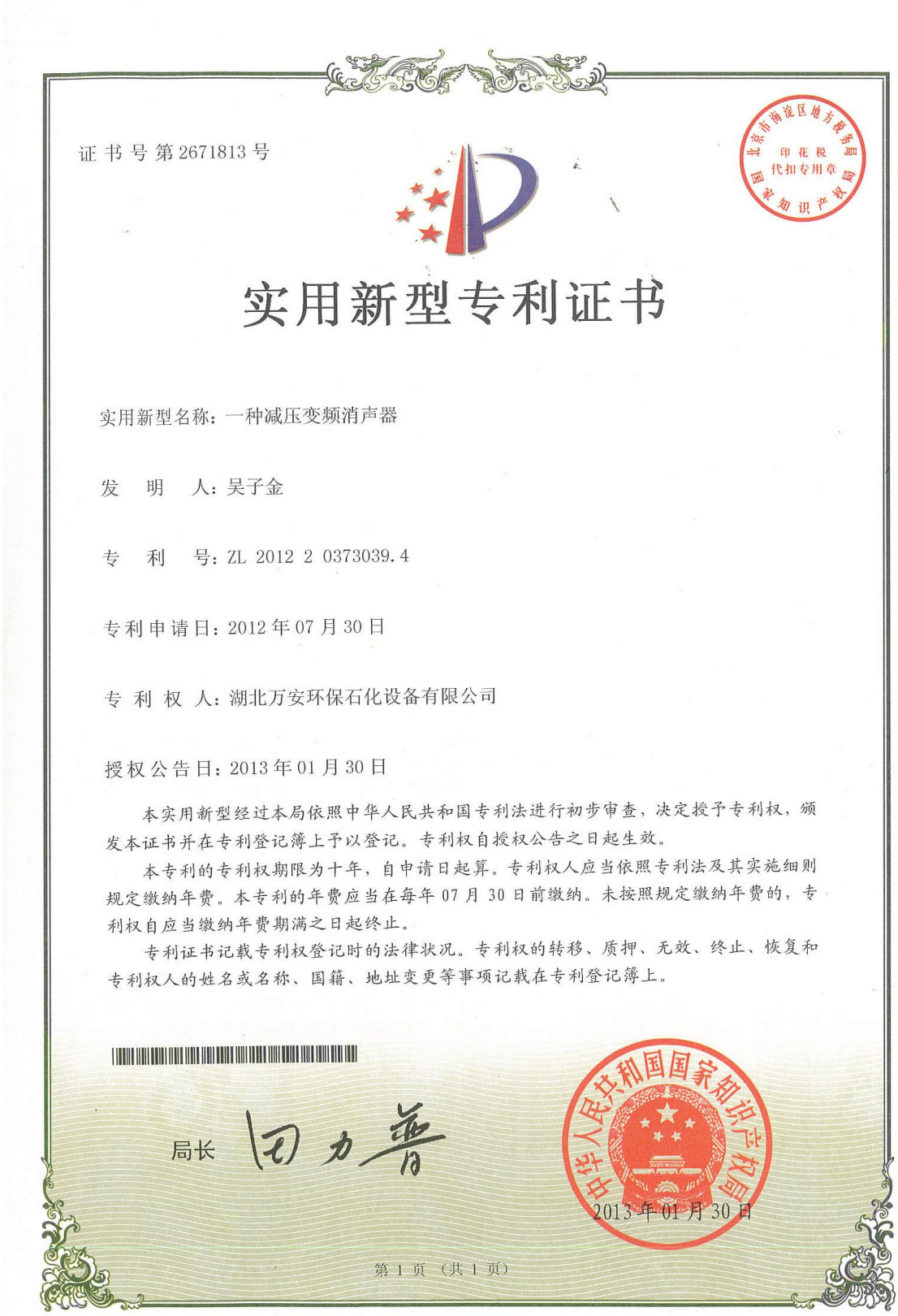
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2014-01-15

32) Pressure relief variable silencer



证书号第2671813号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种减压变频消声器

发　明　人：吴子金

专　利　号：ZL 2012 2 0373039.4

专利申请日：2012年07月30日

专利权人：湖北万安环保石化设备有限公司

授权公告日：2013年01月30日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 田力普

中华人民共和国国家知识产权局

2013年01月30日

第1页（共1页）

Certificate No.2671813

Utility model patent certificate

Name of utility model: Pressure relief variable silencer
Inventor：Wu Zijin
Patent No.：ZL 2012 2 0373039.4
Date of applying for a patent：202-07-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2013-01-30

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 30th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

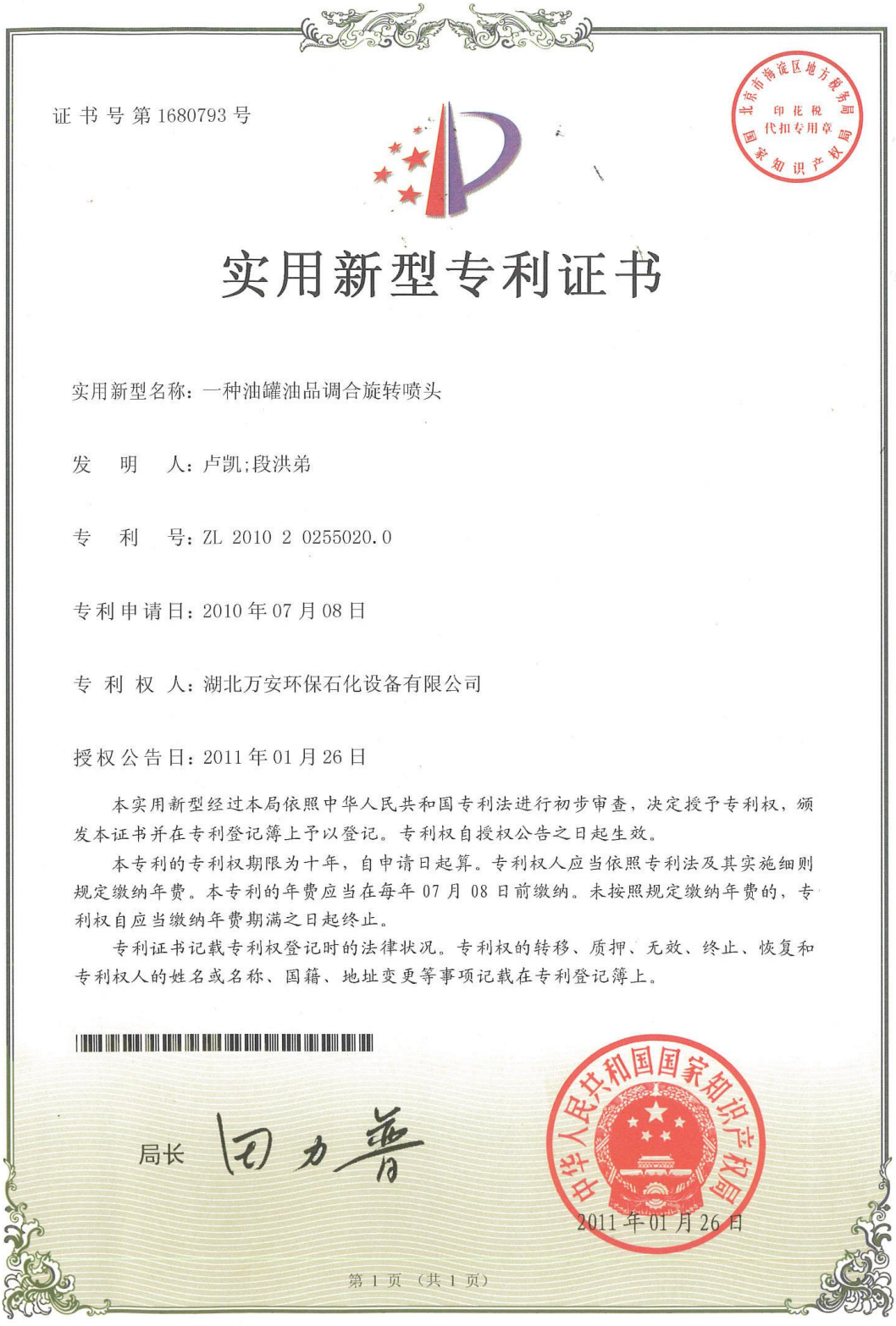
The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2013-01-30

33) Mixing rotary nozzle in oil storage tank



证书号第1680793号

北京市海淀区地方税务局 印花税 代扣专用章 国家知识产权局

实用新型专利证书

实用新型名称：一种油罐油品调合旋转喷头

发　明　人：卢凯;段洪弟

专　利　号：ZL 2010 2 0255020.0

专利申请日：2010年07月08日

专 利 权 人：湖北万安环保石化设备有限公司

授权公告日：2011年01月26日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长 田力普

中华人民共和国国家知识产权局

2011年01月26日

第1页（共1页）

Certificate No.1680793

Utility model patent certificate

Name of utility model: Mixing rotary nozzle in oil storage tank
Inventor：Lu Kai，Duan Hongdi
Patent No.：ZL 2010 2 0255020.0
Date of applying for a patent：2010.07.08
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2011-01-26

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 8th of July every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director　Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2011-01-26

34) Breakwater cut-off system



证书号第8902714号

实用新型专利证书

实用新型名称：一种隔堤截断系统

发　明　人：卢凯

专　利　号：ZL 2018 2 1148963.6

专利申请日：2018年07月14日

专利权人：湖北万安环保石化设备有限公司

地　　址：434000 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2019年05月31日　　授权公告号：CN 208917785 U

国家知识产权局依照中华人民共和国专利法经过初步审查，决定授予专利权，颁发实用新型专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。专利权期限为十年，自申请日起算。

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局长
申长雨

国家知识产权局

2019年05月31日

第 1 页 (共 2 页)

其他事项参见背面

Certificate No.8902714

Utility model patent certificate

Name of utility model: Breakwater cut-off system
Inventor：Lu Kai
Patent No.：ZL 2018 2 1148963.6
Date of applying for a patent：2018-07-14
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2019-05-31
Authorization Announcement No.: CN208917785U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2019-05-31

35) Oil Drainage Valve

证书号第6290265号

实用新型专利证书

实用新型名称：一种截油排水器

发　明　人：瞿雄;周神山;王勇

专　利　号：ZL 2016 2 1366215.6

专利申请日：2016年12月13日

专利权人：武汉万安环保工程技术有限公司
湖北万安环保石化设备有限公司

授权公告日：2017年07月07日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局

2017年07月07日

第 1 页 (共 1 页)

Certificate No.6290265

Utility model patent certificate

Name of utility model: Oil Drainage Valve
Inventor：Qu Xiong， Zhou Shenshan，Wang Yong
Patent No.：ZL 2016 2 1366215.6
Date of applying for a patent：2016-12-13
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2017-07-07

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.

The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 13th of December every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.

The circumstances of law on the letter of patent at the time of registration,the transfer, mortgage, invalidation, cessation, resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2017-07-07

36) Stepped screen grille machine



证书号第7654286号

实用新型专利证书

实用新型名称：一种阶梯式网板格栅机

发　明　人：宋善祥;瞿雄

专　利　号：ZL 2017 2 1847037.3

专利申请日：2017年12月26日

专利权人：武汉万安环保工程技术有限公司

地　　址：430000 湖北省武汉市东湖高新区华师园北路18号光谷科技港2栋B座12层

授权公告日：2018年07月31日　　授权公告号：CN 207671725 U

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

国家知识产权局
2018年07月31日

第1页(共1页)

Certificate No.7654286

Utility model patent certificate

Name of utility model: Stepped screen grille machine
Inventor：Song Shanxiang, Qu Xiong
Patent No.：ZL 2017 2 1847037.3
Date of applying for a patent：2017-12-26
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
ADD:12th Floor, Building 2-B, Optics Valley Technology, PortNorth Huasiyuan Road 18,Donghu High-Tech Zone,Wuhan City
Authorization announcement date: 2018-07-31
Authorization Announcement No.: CN207671725U

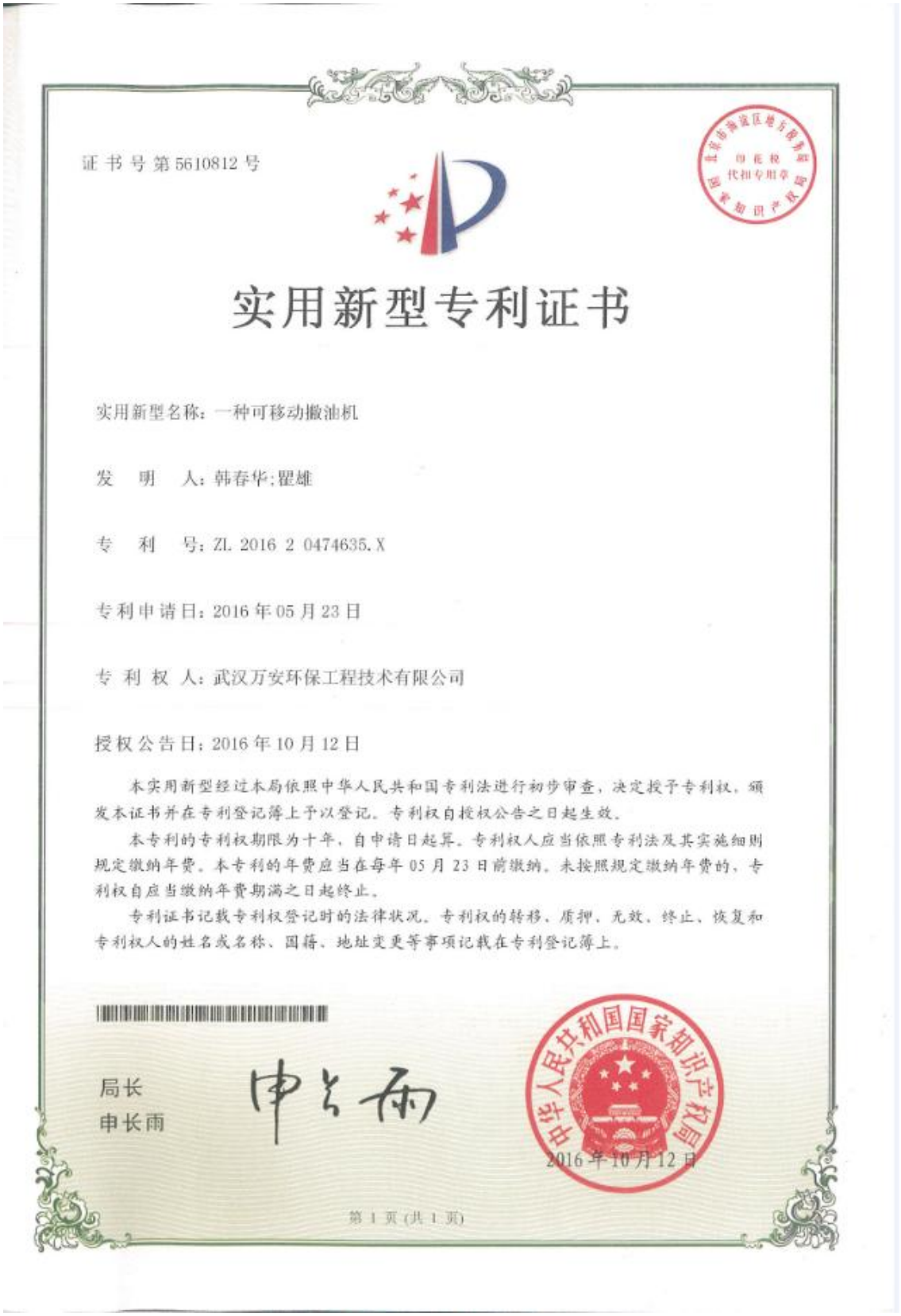
After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 26th of December every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2018-07-31

37) Mobile oil skimmer



证书号第5610812号

实用新型专利证书

实用新型名称：一种可移动撇油机

发　明　人：韩春华;瞿雄

专　利　号：ZL 2016 2 0474635.X

专利申请日：2016年05月23日

专 利 权 人：武汉万安环保工程技术有限公司

授权公告日：2016年10月12日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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局长
申长雨

中华人民共和国国家知识产权局
2016年10月12日

第 1 页(共 1 页)

Certificate No.5610812

Utility model patent certificate

Name of utility model: Mobile oil skimmer
Inventor：Han Chunhua, Qu Xiong
Patent No.：ZL 2016 2 0474635.X
Date of applying for a patent：2016-05-23
Patentee：Wuhan Wan'an Environmental Protection Engineering Technology Co., Ltd
Authorization announcement date: 2016-10-12

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.
The duration of protection for this patent is ten years from the date of patent application.The patent holder shall remit annual fees in compliance with the stipulated implementing regulations of the patent laws.The patent annuity shall be submitted within 30 days before 23th of May every year.Failure to do so shall result in the termination of the patent rights after the expiry of the payment period.
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2016-10-12

38) Line Flame arrester



证书号第14742819号

实用新型专利证书

实用新型名称：一种管道阻火器

发　明　人：肖军;赵祥;卢凯

专　利　号：ZL 2021 2 1053491.8

专利申请日：2021年05月17日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月16日　　授权公告号：CN 214713908 U

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申长雨

国家知识产权局
2021年11月16日

第1页(共2页)

其他事项参见续页

Certificate No.14742819

Utility model patent certificate

Name of utility model: Line Flame arrester
Inventor：Xiao Jun, Zhao Xiang, Lu Kai
Patent No.：ZL 2021 2 1053491.8
Date of applying for a patent：2021-05-17
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2021-11-16
Authorization Announcement No.: CN214713908U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-16

39) Self reset valve



证书号第14670408号

实用新型专利证书

实用新型名称：一种自复位阀

发　明　人：卢大瑜;周神山;王浩

专　利　号：ZL 2021 2 0936727.6

专利申请日：2021年04月30日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月12日　　授权公告号：CN 214699444 U

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2021年11月12日

第1页(共2页)

其他事项参见续页

Certificate No.14670408

Utility model patent certificate

Name of utility model: Self reset valve
Inventor：Lu Dayu, Zhou Shenshan, Wang Hao
Patent No.：ZL 2021 2 0936727.6
Date of applying for a patent：2021-04-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2021-11-12
Authorization Announcement No.: CN214699444U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
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(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-12

40) Oil blending device in storage tank



证书号第14825494号

实用新型专利证书

实用新型名称：一种储罐油品调合装置

发　明　人：肖军;赵祥;卢凯

专　利　号：ZL 2021 2 1115960.4

专利申请日：2021年05月24日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年11月23日　　授权公告号：CN 214826053 U

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国家知识产权局

2021年11月23日

第1页(共2页)

其他事项参见续页

Certificate No.14825494

Utility model patent certificate

Name of utility model: Oil blending device in storage tank
Inventor：Xiao Jun,Zhao Xiang,Lu Kai
Patent No.：ZL 2021 2 1115960.4
Date of applying for a patent：2021-05-24
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2021-11-23
Authorization Announcement No.: CN214826053U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-11-23

41) Electric heat tracing and insulation composite spray eye washer



证书号第15193349号

实用新型专利证书

实用新型名称：一种电伴热保温复合式淋浴洗眼器

发　明　人：颜刚;周神山;韩春华;高波;卢大瑜

专　利　号：ZL 2020 2 2511244.X

专利申请日：2020年11月03日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月17日　　授权公告号：CN 215193651 U

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2021年12月17日

第1页(共2页)

其他事项参见续页

Certificate No.15193349

Utility model patent certificate

Name of utility model: Electric heat tracing and insulation composite spray eye washer
Inventor：Yan Gang, Zhou Shenshan;Han Chunhua,Gao Bo, Lu Dayu
Patent No.：ZL 2020 2 2511244.X
Date of applying for a patent：2020-11-03
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
ADD:No.58 East Wenquan Road, Honghu city,Hubei Province,China,433200
Authorization announcement date: 2021-12-17
Authorization Announcement No.: CN215193651U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-17

42) Automatic emptying and antifreezing spray eye washer



证书号第15201448号

实用新型专利证书

实用新型名称：一种全自动排空防冻型喷淋洗眼装置

发　明　人：颜刚;周神山

专　利　号：ZL 2021 2 0926991.1

专利申请日：2021年04月30日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月17日　　授权公告号：CN 215193658 U

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国家知识产权局

2021年12月17日

第1页(共2页)

其他事项参见续页

Certificate No.15201448

Utility model patent certificate

Name of utility model: Automatic emptying and antifreezing spray eye washer
Inventor：Yan Gang, Zhou Shenshan
Patent No.：ZL 2021 2 0926991.1
Date of applying for a patent：2021-04-30
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2021-12-17
Authorization Announcement No.: CN215193658U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-17

43) Fire resistant breathing valve with positive exhaust pressure and negative suction pressure for storage tanks



证书号第15228228号

实用新型专利证书

实用新型名称：一种储罐的排气正压和吸气负压的防火呼吸阀

发　明　人：赵祥;肖军;卢凯

专　利　号：ZL 2021 2 1122140.8

专利申请日：2021年05月24日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月21日　　授权公告号：CN 215258031 U

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国家知识产权局

2021年12月21日

第 1 页 (共 2 页)

其他事项参见续页

Certificate No.15228228

Utility model patent certificate

Name of utility model: Fire resistant breathing valve with positive exhaust pressure and negative suction pressure for storage tanks
Inventor：Zhao Xiang, Xiao Jun, Lu Kai
Patent No.：ZL 2021 2 1122140.8
Date of applying for a patent：2021-05-24
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2021-12-21
Authorization Announcement No.: CN215258031U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-21

44) Lever type adjustable emergency relief manhole



证书号第15122628号

实用新型专利证书

实用新型名称：一种杠杆式可调节紧急泄压人孔

发　明　人：赵祥;肖军;卢凯

专　利　号：ZL 2021 2 1060528.X

专利申请日：2021年05月17日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2021年12月14日　　授权公告号：CN 215157719 U

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国家知识产权局
2021年12月14日

第1页(共2页)

其他事项参见续页

Certificate No.15122628

Utility model patent certificate

Name of utility model: Lever type adjustable emergency relief manhole
Inventor：Zhao Xiang, Xiao Jun, Lu Kai
Patent No.：ZL 2021 2 1060528.X
Date of applying for a patent：2021-05-17
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2021-12-14
Authorization Announcement No.: CN215157719U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2021-12-14

45) Integrated molding manifold



证书号第18459992号

实用新型专利证书

实用新型名称：一体成型多通集合管

发　明　人：周神山;卢超

专　利　号：ZL 2022 2 2023647.9

专利申请日：2022年07月29日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年02月14日　　授权公告号：CN 218480302 U

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国家知识产权局
2023年02月14日

第1页(共2页)

其他事项参见续页

Certificate No.18459992

Utility model patent certificate

Name of utility model: Integrated molding manifold
Inventor：Zhou Shenshan ,Lu Chao
Patent No.：ZL 2022 2 2023647.9
Date of applying for a patent：2022-07-29
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Authorization announcement date: 2023-02-14
Authorization Announcement No.: CN218480302U

After preliminary examination of this utility model in accordance with the Patent Law of the People's Republic of China,this department has decided to grant a patent and issue a certificate to the design,and register the same in the patent rolls.The patent rights shall commence from the date of notice of authorization.The duration of protection for this patent is ten years from the date of patent application.
The circumstances of law on the letter of patent at the time of registration,the transfer,mortgage,invalidation,cessation,resumption and the changes of the patent holder's name,nationality and address,etc.shall be recorded in the patent rolls.

(QR Code)

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-02-14

46) Fixed powder sampler



证书号第19539320号

实用新型专利证书

实用新型名称：一种固定粉末取样器

发　明　人：卢超;周神山;卢渝;曹克勤

专　利　号：ZL 2023 2 0333310.X

专利申请日：2023年02月27日

专　利　权　人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年08月18日　　授权公告号：CN 219551945 U

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国家知识产权局
2023年08月18日

第1页(共2页)

其他事项参见续页

Certificate No.19539320

Utility model patent certificate

Name of utility model: Fixed powder sampler
Inventor：Lu Chao, Zhou Shenshan, Lu Yu, Cao Keqin
Patent No.：ZL 2023 2 0333310.X
Date of applying for a patent：2023-02-27
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-08-18
Authorization Announcement No.：CN 219551945 U

The State Intellectual Property Office, after preliminary examination in accordance with the Patent Law of the People's Republic of China, decides to grant the patent right, issues the utility model patent certificate and registers it in the patent registration book. The patent right takes effect from the date of the authorization announcement. The patent right term is ten years, starting from the application date.

The patent certificate records the legal status of the patent right at the time of registration. The transfer, pledge, invalidation, termination, restoration of the patent right and the name, nationality, address change of the patentee are recorded in the patent registration book.

（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-08-18

47) K-type tank sampler



证书号第19466089号

实用新型专利证书

实用新型名称：一种K型罐下采样器

发　明　人：卢超;周神山;杨健;卢渝

专　利　号：ZL 2023 2 0228374.3

专利申请日：2023年02月13日

专　利　权　人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年08月08日　　授权公告号：CN 219495742 U

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国家知识产权局
2023年08月08日

第1页(共2页)

其他事项参见续页

Certificate No.19466089

Utility model patent certificate

Name of utility model: K-type tank sample
Inventor：Lu Chao, Zhou Shenshan, Yang Jian, Lu Yu
Patent No.：ZL 2023 2 0228374.3
Date of applying for a patent：2023-02-13
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-08-08
Authorization Announcement No.：CN 219495742 U

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The patent certificate records the legal status of the patent right at the time of registration. The transfer, pledge, invalidation, termination, restoration of the patent right and the name, nationality, address change of the patentee are recorded in the patent registration book.

（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-08-08

48) **Negative pressure gas analysis sampling device capable of online detection and remote transmission**



证书号第19182039号

实用新型专利证书

实用新型名称：一种可在线检测及远传的负压气体分析采样装置

发　明　人：卢超;周神山;卢渝;杨健;蔡立云

专　利　号：ZL 2023 2 0231172.4

专利申请日：2023年02月10日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年06月16日　　授权公告号：CN 219201030 U

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局长
申长雨

国家知识产权局
2023年06月16日

第1页(共2页)

其他事项参见续页

Certificate No.19182039

Utility model patent certificate

Name of utility model: Negative pressure gas analysis sampling device capable of online detection and remote transmission
Inventor：Lu Chao, Zhou Shenshan, Lu Yu, Yang Jian, Cai Liyun
Patent No.：ZL 2023 2 0231172.4
Date of applying for a patent：2023-02-10
Patentee：Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-06-16
Authorization Announcement No.：CN 219201030 U

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-06-16

49) **Intelligent control two-way cut-off device for oil tank area partition dike**



证书号第19476026号

实用新型专利证书

实用新型名称：一种油罐区隔堤智控双向截断装置

发　明　人：卢超;周神山;韩春华;杨健;卢渝

专　利　号：ZL 2023 2 0441138.X

专利申请日：2023年03月09日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年08月08日　　授权公告号：CN 219491249 U

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2023年08月08日

第 1 页(共 2 页)

其他事项参见续页

Certificate No.19476026

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Lu Chao, Zhou Shenshan, Lu Yu, Yang Jian, Han Chunhua, Lu Yu
Patent No.：ZL 2023 2 0441138.X
Date of applying for a patent：2023-03-09
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-08-08
Authorization Announcement No.：CN 219491249 U

The State Intellectual Property Office, after preliminary examination in accordance with the Patent Law of the People's Republic of China, decides to grant the patent right, issues the utility model patent certificate and registers it in the patent registration book. The patent right takes effect from the date of the authorization announcement. The patent right term is ten years, starting from the application date.

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-08-08

50) **Fire-blocking core winding machine**



证书号第18681740号

实用新型专利证书

实用新型名称：一种阻火芯卷绕台

发　明　人：周神山;肖军;李云霞

专　利　号：ZL 2022 2 2905663.0

专利申请日：2022年11月01日

专　利　权　人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2023年03月24日　　授权公告号：CN 218696789 U

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2023年03月24日

第1页(共2页)

其他事项参见续页

Certificate No.18681740

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Zhou Shenshan, Xiao Jun, Li Yunxia
Patent No.：ZL 2022 2 2905663.0
Date of applying for a patent：2022-11-01
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-03-24
Authorization Announcement No.：CN 218696789 U

The State Intellectual Property Office, after preliminary examination in accordance with the Patent Law of the People's Republic of China, decides to grant the patent right, issues the utility model patent certificate and registers it in the patent registration book. The patent right takes effect from the date of the authorization announcement. The patent right term is ten years, starting from the application date.

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2023-03-24

51) New U-shaped tube heat exchanger



证书号第21021120号

实用新型专利证书

实用新型名称：一种新型U型管式换热器

发　明　人：卢超;周神山

专　利　号：ZL 2023 2 3038449.0

专利申请日：2023年11月09日

专利权人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2024年05月28日　　授权公告号：CN 221036935 U

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2024年05月28日

第1页(共2页)

其他事项参见续页

Certificate No.21021120

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Lu Chao, Zhou Shenshan
Patent No.：ZL 2023 2 3038449.0
Date of applying for a patent：2024-05-28
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2023-03-24
Authorization Announcement No.：CN 221036935 U

The State Intellectual Property Office, after preliminary examination in accordance with the Patent Law of the People's Republic of China, decides to grant the patent right, issues the utility model patent certificate and registers it in the patent registration book. The patent right takes effect from the date of the authorization announcement. The patent right term is ten years, starting from the application date.

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2024-05-28

52) **Wrap-around heat exchanger for efficient heat dissipation**



证书号第21019768号

实用新型专利证书

实用新型名称：一种可高效散热的缠绕式换热器

发　明　人：卢超;周神山

专　利　号：ZL 2023 2 3045460.X

专利申请日：2023年11月09日

专　利　权　人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2024年05月28日　　授权公告号：CN 221036932 U

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2024年05月28日

第1页(共2页)

其他事项参见续页

Certificate No.21019768

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Lu Chao, Zhou Shenshan
Patent No.：ZL 2023 2 3045460.X
Date of applying for a patent：2023-11-09
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2024-05-28
Authorization Announcement No.：CN 221036932 U

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2024-05-28

53) Floating head heat exchanger with stable operation



证书号第21001426号

实用新型专利证书

实用新型名称：一种工作稳定的浮头式换热器

发　明　人：卢超;周神山

专　　利　　号：ZL 2023 2 3064714.2

专利申请日：2023年11月09日

专　利　权　人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

授权公告日：2024年05月28日　　授权公告号：CN 221036957 U

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2024年05月28日

第1页(共2页)

其他事项参见续页

Certificate No.21001426

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Lu Chao, Zhou Shenshan
Patent No.：ZL 2023 2 3064714.2
Date of applying for a patent：2023-11-09
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2024-05-28
Authorization Announcement No.：CN 221036957 U

The State Intellectual Property Office, after preliminary examination in accordance with the Patent Law of the People's Republic of China, decides to grant the patent right, issues the utility model patent certificate and registers it in the patent registration book. The patent right takes effect from the date of the authorization announcement. The patent right term is ten years, starting from the application date.

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2024-05-28

54) LNG flow control device



证书号第21587410号

专利公告信息

实用新型专利证书

实用新型名称：LNG流量控制装置

专 利 权 人：湖北万安环保石化设备有限公司

地　　址：433200 湖北省荆州市洪湖经济开发区文泉东路58号

发 明 人：周神山;瞿雄

专　利　号：ZL 2023 2 3064742.4　　授权公告号：CN 221611160 U

专利申请日：2023年11月09日　　授权公告日：2024年08月27日

申请日时申请人：湖北万安环保石化设备有限公司

申请日时发明人：周神山;瞿雄

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2024年08月27日

第 1 页(共 1 页)

Certificate No.21587410

Utility model patent certificate

Name of utility model: Intelligent control two-way cut-off device for oil tank area partition dike
Inventor：Zhou Shenshan, Qu Xiong
Patent No.：ZL 2023 2 3064742.4
Date of applying for a patent：2023-11-09
Patentee: Hubei Wanan Environmental Protection of Petrochemical Equipment Co.,Ltd.
Address: No. 58, Wenquan East Road, Honghu Economic Development Zone, Jingzhou City, Hubei Province, 433200
Authorization announcement date: 2024-08-27
Authorization Announcement No.：CN 221611160 U

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（QR Code）

Director Shen Changyu（Signature）

State Intellectual Property Office of the People's Republic of China
2024-08-27

27.Certificate of trademark registration

TMZC19346097D01T170522

第 19346097 号

商 标 注 册 证

HBWA

核定使用商品/服务项目（国际分类：7）

第7类： 玻璃加工机；石油开采、石油精炼工业用机器设备；石油化工设备；石油专用泥浆泵；油精炼机器；钻探装置（浮动或非浮动）；石油钻机；洗井机；通井机；石油专用抽油泵（截止）

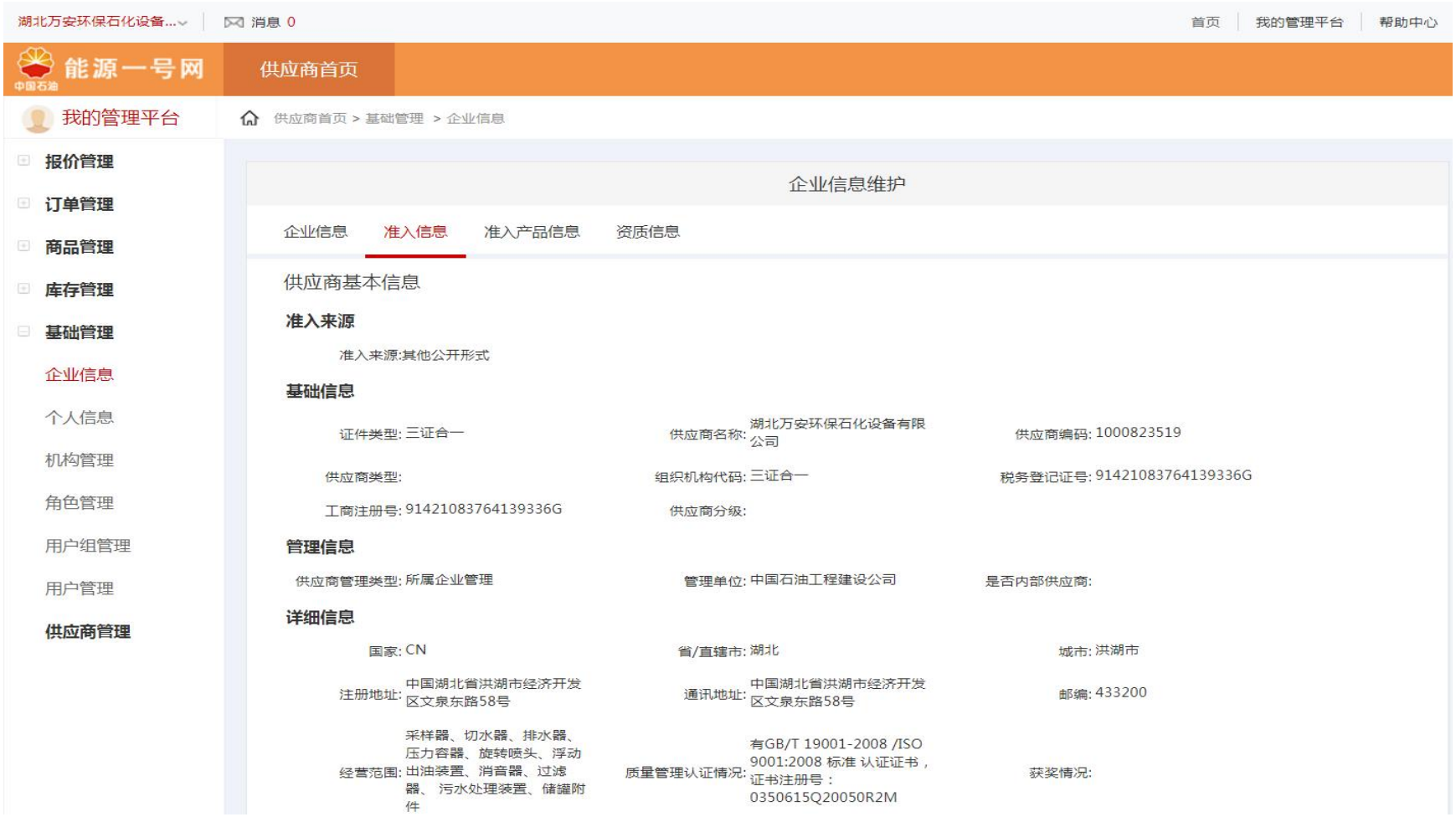
注 册 人 湖北万安环保石化设备有限公司

注册人地址 湖北省洪湖市万全镇黄丝路

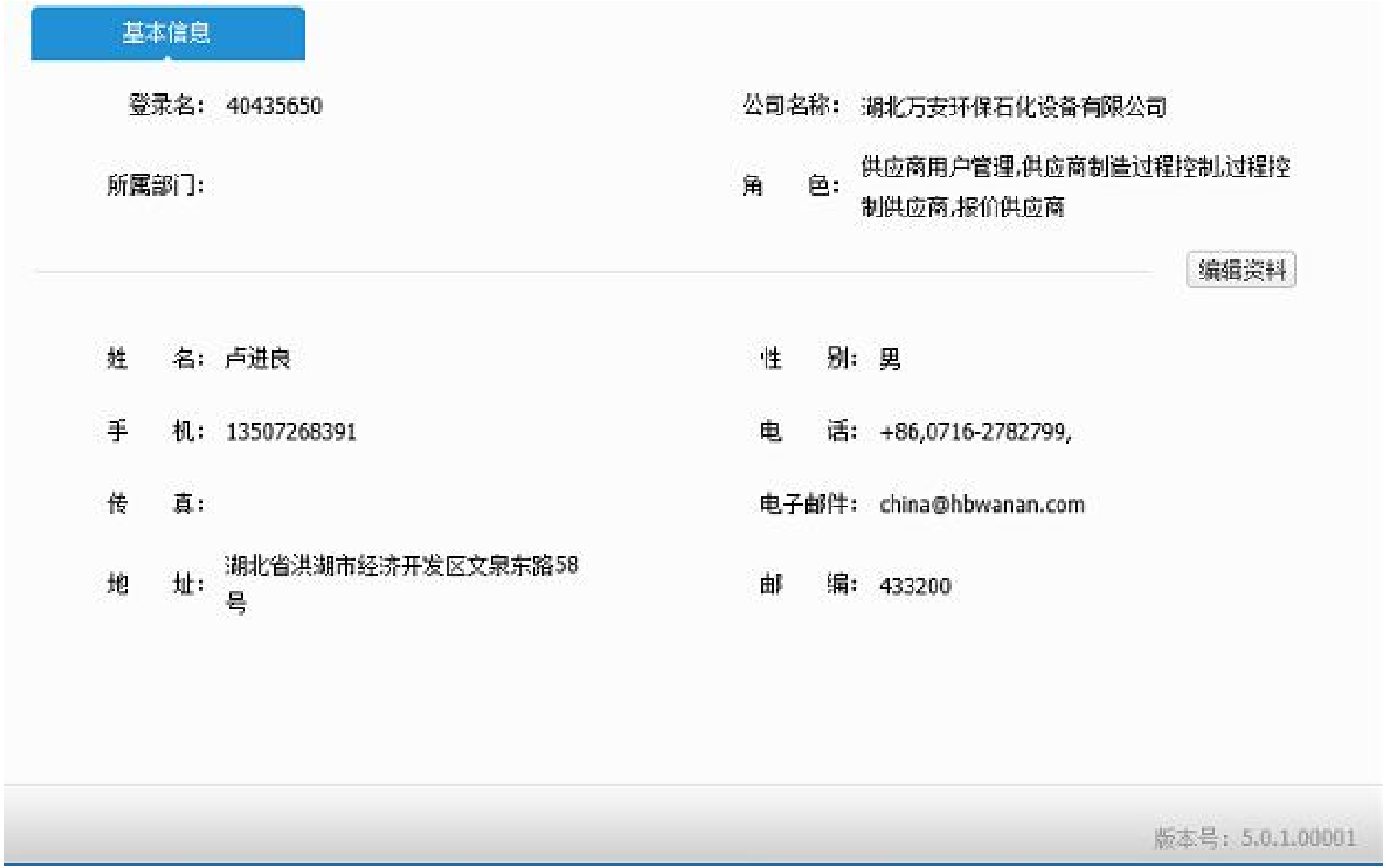
注册日期 2017年04月28日 **有效期至** 2027年04月27日

局 长 刘俊臣 **发证机关** 中华人民共和国国家工商行政管理总局 商标局

28.CNPC supplier number



29.Sinopec supplier number



30.Our Honor

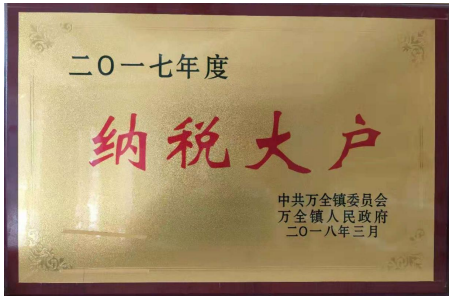

荣誉证书
HONORARY CREDENTIAL
湖北万安环保石化设备有限公司：
被认定为荆州市2020-2021年度守合同
重信用企业。
特发此证。
荆州市市场监督管理局
二〇二一年十月

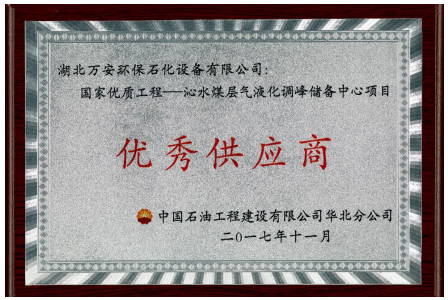

荣誉证书
No:16-2096
湖北万安环保石化设备有限公司:
被认定为湖北省第十六届（2020-2021年度）
守合同重信用企业。
特发此证。


湖北万安环保石化设备有限公司
获得2021年度
优秀专业承包商
福建联合石油化工有限公司
二〇二二年元月


证 书
湖北省支柱产业细分领域隐形冠军示范企业
（2018-2020）
企业名称：湖北万安环保石化设备有限公司
主营产品：环保取样器


ZHB
市级绿色企业
洪湖市人民政府
二〇一九年三月


二〇一七年度
纳税大户
中共万全镇委员会
万全镇人民政府
二〇一八年三月


湖北万安环保石化设备有限公司:
国家优质工程——沁水煤层气液化调峰储备中心项目
优秀供应商
中国石油工程建设有限公司华北分公司
二〇一七年十一月


湖北省认定
企业技术中心
2016年度
十佳工业企业
洪湖分中心
纳税大户
一等奖
十佳企业
先进单位

31.Our Clients



HuBei WanAn

Overseas project sales performance

No.	Date	Customer Name	Project Name	Device Name	Material	Medium	QTY	Contact
Sampler Series								
1.	2024/09/13	United Solar Polysilicon Co., Ltd.	20240913009 United Solar Polysilicon (FZC) Co., Ltd. adds a new unit of chlorosilane closed sampler	Chlorosilane Closed Sampler	304	There are hydrogen chloride, dichlorosilane, trichlorosilane, silicon tetrachloride, high boiling point silicides, solids, hexachlorodisilane, hexachlorosilane, etc.	23	Zhang Dong
2.	2024/05/06	United Solar Polysilicon Co., Ltd.	20240416006 United Solar Polysilicon (FZC) Co., Ltd.'s annual production of 100,000 tons of high-purity silicon-based materials project	Chlorosilane Closed Sampler	304	There are components such as hydrogen chloride (HCl), dichlorosilane (SIH2CL2), trichlorosilane (SIHCL3), silicon tetrachloride (SICL4), high-boiling point silicides, solid matter (SI),	115	Zhang Dong15320280596

No.	Date	Customer Name	Project Name	Device Name	Material	Medium	QTY	Contact
						hexachlorodisilane (SI2CL6), hexachlorosilane (SI2OCL6), etc., with mass percentages ranging from 0.01% to 99.99%.		
3.	2024/03/21	China Petroleum Engineering & Construction Co., Ltd.	20240321003 PKOP refinery sampler in Zimkent, Kazakhstan	Closed sampler	304	Liquefied gas	14	Wang Xin 13651340051
4.	2024/01/24	Donghua Engineering Technology Co., Ltd.	20240124018 BASF Integrated Site (Guangdong) Syngas ISBL (EPC) Project	Closed sampler	304		22	Hu Jing 15955187374
5.	2023/06/06	China Petroleum Engineering & Construction Co., Ltd.	20230509010 Mishrif degassing station expansion project in Zubair, Iraq	Closed sampler			89	Cao Yang 010-58192230
6.	2020/09/19	Guangzhou Sinochem Industrial Equipment Installation Group Co., Ltd.	20200919002 Kenya KOT project process pipeline installation project	Crude oil pipeline automatic sampler	S30408	Crude oil	5	Takeshi Identification 020-84293606
7.	2020/07/06	Sinopec Engineering Construction Co., Ltd.	20200706005 SEI Iran Abadan Refinery Upgrade	Closed sampler	304/316	Acidic sewage	91	Liu Zhongyang

No.	Date	Customer Name	Project Name	Device Name	Material	Medium	QTY	Contact
			Project (Arup)					
8.	2019/04/18	Tianjin Huafu Petrochemical Equipment Engineering Co., Ltd.	20190416002 Africa 1000BPD atmospheric pressure refining project	Tank sampler	304		6	Liu Chenfei020-59925301
9.	2018/05/23	China Petroleum Engineering & Construction Co., Ltd.	20180523010 Kazakhstan PK refinery modernization project	Closed sampler	304		1	Wang Xin 13651340051
Flame arrester series								
No.	**Date**	**Customer Name**	**Project Name**	**Device Name**	**Material**	**Medium**	**QTY**	**Contact**
1.	2021/04/09	China Petroleum Engineering & Construction Co., Ltd.	Iraq Halfaya Gas Processing Plant (GPP) Project	Flame Arrester	304	**DN150**	7	Kang Tong010-58192284
2.	2019/10/29	Sinopec Shengli Oilfield Engineering Co., Ltd.	Sri Lanka Hangang Port Terminal Restoration and Upgrade Design Project	Flame Arrester	CS/304	**DN150~DN250**	20	Liu Jianxin13054678022
Water cutter series								
1	2012/09/29	China Natural Gas Pipeline Engineering Bureau Third Engineering Branch	20120914004 China-Myanmar Crude Oil Pipeline (Myanmar Section) Madhe First Station Crude Oil Tank Area Project	Mechanical automatic water cutter	304	Crude oil	12	Zhang Guannan 13598873226

HuBei WanAn

No.	Date	Customer Name	Project Name	Device Name	Material	Medium	QTY	Contact
Floating oil suction device								
1	2019/04/19	China Petroleum Materials Cangzhou Co., Ltd.	20190419002 Maldives Velana International Airport expansion project oil depot and apron oil supply pipeline project	Floating oil suction device	S30408	/	4	Sun Zhi 010-58236619
2	2015/04/03	CNPC Pipeline Materials and Equipment Corporation	20150204003 Mozambique Puma Energy Matola Finished Oil Storage Project	Floating oil suction device	S30408	/	3	Wen Yuyu 15713064427