PATENTS

S/N	REGISTERED OWNER	TITLE	TERRITORY	FILING DATE	ILING/PATENT NO	STATUS
1	Nanofilm Technologies International Limited	Continuous arc deposition apparatus and method with m	USA	23 Feb 2005	7871506	Granted
2	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Method and apparatus for removing materials from a su	China	17 Aug 2005	ZL200510090505.2	Granted
3	Nanofilm Technologies International Limited	Metal Coatings	Singapore	07 Aug 2006	2006053342	Granted
4	Nanofilm Technologies International Limited	Cutting tools having plasma deposited carbon coatings	Singapore	26 Jun 2007	2009085895	Granted
5	Nanofilm Technologies International Limited	Cutting tools having plasma deposited carbon coatings	UK	26 Jun 2007	2463439	Granted
6	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Cutting tools having plasma deposited carbon coatings	China	26 Jun 2007	ZL200780053790.8	Granted
7	Nanofilm Technologies International Limited	A novel coating having reduced stress and a method of d	Singapore	09 Jun 2009	2010085215	Granted
8	Nanofilm Technologies International Limited	A novel coating having reduced stress and a method of d	Singapore	09 Jun 2009	2011089869	Granted
9	Nanofilm Technologies International Limited	A method for rapid deposition of a coating on a substrat	Singapore	09 Jun 2009	2010085199	Granted
10	Nanofilm Technologies International Limited	A process for producing an image on a substrate	Singapore	09 Jun 2009	2010085173	Granted
11	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A novel coating having reduced stress and a method of d	China	09 Jun 2009	ZL200980119079.7	Granted
12	Nanofilm Technologies International Limited	Filter for removing macro-particles from a plasma beam	Japan	30 Sep 2011	5554451	Granted
13	Nanofilm Technologies International Limited	Filter for removing macro-particles from a plasma beam	Singapore	30 Sep 2011	2013017272	Granted
14	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Filter for removing macro-particles from a plasma beam	China	30 Sep 2011	ZL201180045433.3	Granted
15	AxynTeC Dünnschichttechnik GMBH	Material composite composed of metal/DLC/fibre-reinfo	Europe	10 Mar 2015	EP2918406	Granted
16	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating method for novel nanometer anti-fingerprint filn	China	26 Feb 2016	ZL201610105969.4	Granted
17	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Method for coating high temperature-resistant diamond	China	13 Dec 2016	ZL201611271853.4	Granted
18	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Color matching method of decorative diamond-like carbo	China	13 Dec 2018	ZL201811524484.0	Granted
19	Nanofilm Technologies International Limited	Thick, Low-Stress Tetrahedral Amorphous Carbon Coatin	Europe	08 Oct 2019	3864186	Granted
20	Nanofilm Technologies International Limited	Thick, Low-Stress Tetrahedral Amorphous Carbon Coatin	Japan	08 Oct 2019	7426386	Granted
21	Nanofilm Technologies International Limited	Thick, Low-Stress Tetrahedral Amorphous Carbon Coatin	Singapore	08 Oct 2019	11202102611X	Granted
22	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Thick, Low-Stress Tetrahedral Amorphous Carbon Coatin	China	08 Oct 2019	ZL201910947105	Granted
23	Nanofilm Technologies International Limited	Ta-C Based Coatings with Improved Hardness	Europe	07 Nov 2019	EP3877569	Granted
24	Nanofilm Technologies International Limited	Ta-C Based Coatings with Improved Hardness	Japan	07 Nov 2019	7340016	Granted
25	Nanofilm Technologies International Limited	Ta-C Based Coatings with Improved Hardness	Singapore	07 Nov 2019	11202103338R	Granted
26	Nanofilm Technologies International Limited	Ta-C Based Coatings with Improved Hardness	USA	07 Nov 2019	11643733	Granted
27	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Carbon Coatings with Improved Hardness	China	07 Nov 2019	ZL201911082344.0	Granted
28	Nanofilm Technologies International Limited	Temperature Resistant Carbon Coatings	Europe	07 Nov 2019	CT/EP2019/08062	Pending
29	Nanofilm Technologies International Limited	Temperature Resistant Carbon Coatings	Japan	07 Nov 2019	7440508	Granted
30	Nanofilm Technologies International Limited	Temperature Resistant Carbon Coatings	Singapore	07 Nov 2019	11202103322P	Granted
31	Nanofilm Technologies International Limited	Temperature Resistant Carbon Coatings	USA	07 Nov 2019	12123088	Granted
32	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Temperature Resistant Carbon Coatings	China	07 Nov 2019	ZL201911082426.5	Granted
33	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Corrosion Resistant Carbon Coatings	China	16 Dec 2019	ZL201911299695.7	Granted

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34	Nanofilm Technologies International Limited	Corrosion Resistant Carbon Coatings	Europe	17 Dec 2019	PCT/EP2019/08561	Pending
35	Nanofilm Technologies International Limited	Corrosion Resistant Carbon Coatings	Japan	17 Dec 2019	7507766	Granted
36	Nanofilm Technologies International Limited	Corrosion Resistant Carbon Coatings	Singapore	17 Dec 2019	11202104746X	Granted
37	Nanofilm Technologies International Limited	Improved Coating Processes	Europe	13 Mar 2020	PCT/EP2020/056864	Pending
38	Nanofilm Technologies International Limited	Improved Coating Processes	Japan	13 Mar 2020	7382124	Granted
39	Nanofilm Technologies International Limited	Improved Coating Processes	Singapore	13 Mar 2020	11202109137X	Granted
40	Nanofilm Technologies International Limited	Improved Cathode Arc Source	Europe	13 Mar 2020	3938557	Granted
41	Nanofilm Technologies International Limited	Improved Cathode Arc Source	Japan	13 Mar 2020	7390396	Granted
42	Nanofilm Technologies International Limited	Improved Cathode Arc Source	Singapore	13 Mar 2020	11202109135U	Granted
43	Nanofilm Technologies International Limited	Cathode Arc Source	USA	13 Mar 2020	11926890	Granted
44	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Improved Coating Processes	China	15 Mar 2020	ZL202010178790.8	Granted
45	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Improved Cathode Arc Source	China	15 Mar 2020	ZL202010178933.5	Granted
46	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coloured Coatings	China	06 Nov 2020	ZL202011228218.4	Granted
47	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A Coating Jig	China	11 Dec 2020	ZL202011456617.6	Granted
48	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Device and Method for Detecting Rotating Performance	China	29 Dec 2020	ZL202011594045.8	Granted
49	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Measuring Device and Measuring Method for Cylindrical	China	29 Dec 2020	202011594035.4	Pending
50	EC Europ Coating GMBH and Surpro GMBH	Coated metallic article or coated metallic component of	Germany	02 Jul 2020	DE102020117533	Granted
51	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Black Coatings	China	06 Apr 2021	ZL202110370178.5	Granted
52	Yizheng Nahuan Technology Co., Ltd.	Piston ring coating with excellent running-in performanc	China	08 May 2021	202110500126.5	Pending
53	Nanofilm Technologies International Limited	Improved Cathode Arc Source, Filters Thereof and Metho	Europe	18 Jun 2021	4066272	Granted
54	Nanofilm Technologies International Limited	Improved Cathode Arc Source, Filters Thereof and Metho	Japan	18 Jun 2021	7395761	Granted
55	Nanofilm Technologies International Limited	Improved Cathode Arc Source, Filters Thereof and Metho	Singapore	18 Jun 2021	11202251416K	Granted
56	Nanofilm Technologies International Limited	Improved Cathode Arc Source, Filters Thereof and Metho	USA	18 Jun 2021	11903116	Granted
57	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Improved Cathode Arc Source, Filters Thereof and Metho	China	18 Jun 2021	ZL202110683431.2	Granted
58	Sydrogen Energy Pte. Ltd.	Carbon Coated Hydrogen Fuel Cell Bipolar Plates	Europe	14 Jul 2021	EP4088332	Granted
59	Sydrogen Energy Pte. Ltd.	Carbon Coated Hydrogen Fuel Cell Bipolar Plates	Japan	14 Jul 2021	7313577	Granted
60	Nanofilm Technologies International Limited	Carbon Coated Hydrogen Fuel Cell Bipolar Plates	Singapore	14 Jul 2021	11202252047T	Pending
61	Sydrogen Energy Pte. Ltd.	Carbon Coated Hydrogen Fuel Cell Bipolar Plates	USA	14 Jul 2021	11855308	Granted
62	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Carbon Coated Hydrogen Fuel Cell Bipolar Plates	China	14 Jul 2021	202110798362.X	Pending
63	Yizheng Nahuan Technology Co., Ltd.	Continuous fully automatic cleaning machine for piston r	China	23 Jul 2021	ZL202110837595.6	Granted
64	Yizheng Nahuan Technology Co., Ltd.	Vacuum film removing machine for removing DLC film fr	China	28 Jul 2021	ZL202110855015.6	Granted
65	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Piston Rings and Methods of Manufacture	USA	12 Nov 2021	CT/EP2021/08153	Pending
66	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Piston Rings and Methods of Manufacture	China		ZL202110360718.1	Granted
67	Sydrogen (Shanghai) Technology Co., Ltd.	Coating Rotating Carousel	China		ZL202210514160.2	Granted
68	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating Rotating Carousel	China	11 May 2022	ZL202210514113.8	Granted

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69	Nanofilm Technologies International Limited	Anti-Static Coating	Singapore	31 May 2022	CT/EP2022/06481	Pending
70	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Anti-Static Coating	China	31 May 2022	202210639284.3	Pending
71	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A glass flipping device for vertical coating and flipping me	China	25 Aug 2022	ZL202211023245.7	Granted
72	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A cleaning agent capable of improving color difference a	China	03 Nov 2022	ZL202211368526.6	Granted
73	Yizheng Nahuan Technology Co., Ltd.	A temperature resistance testing device for piston rings	China	08 Dec 2022	202211581579.6	Pending
74	Sydrogen Energy Pte. Ltd.	Fuel Cell Bipolar Plates	Europe	29 Dec 2022	4399753	Granted
75	Sydrogen Energy Pte. Ltd.	Fuel Cell Bipolar Plates	Japan	29 Dec 2022	CT/EP2022/088004	Pending
76	Sydrogen Energy Pte. Ltd.	Fuel Cell Bipolar Plates	Singapore	29 Dec 2022	CT/EP2022/088004	Pending
77	Sydrogen (Shanghai) Technology Co., Ltd.	Fuel Cell Bipolar Plates	China	29 Dec 2022	202211710455.3	Pending
78	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.;	Improvements in Carbon Coated Electrodes	China	18 Jan 2023	ZL202310063345	Granted
79	Nanofilm Technologies International Limited	Carbon Coated Electrodes	Europe	20 Jan 2023	4281601	Granted
80	Nanofilm Technologies International Limited	Carbon Coated Electrodes	Japan	20 Jan 2023	7558429	Granted
81	Nanofilm Technologies International Limited	Carbon Coated Electrodes	Singapore	20 Jan 2023	11202305750R	Granted
82	Nanofilm Technologies International Limited	Carbon Coated Electrodes	USA	20 Jan 2023	11898257	Granted
83	Sydrogen (Shanghai) Technology Co., Ltd.	An electrochemical testing device	China	17 Feb 2023	202310134443.9	Pending
84	Yizheng Nahuan Technology Co., Ltd.	A clamping device for piston ring coating	China	27 Mar 2023	202310301761.X	Pending
85	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Inline coating apparatus for metallic fuel cell bipolar plat	China	04 May 2023	202310492029.5	Pending
86	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	An auxiliary cathode device for glow-discharge coating a	China	18 Jul 2023	202310885329.X	Pending
87	Nanofilm Technologies International Limited	Hollow cathode arc plasma device	Europe	27 Oct 2022	4362058	Granted
88	Nanofilm Technologies International Limited	Hollow cathode arc plasma device	Singapore	04 Oct 2023	PCT/EP2023/07748	Pending
89	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Hollow cathode arc plasma device	China	10 Oct 2023	202311306969.7	Pending
90	Nanofilm Technologies International Limited	Sealed electrical devices	China	03 Nov 2023	PCT/EP2023/08070	Pending
91	Nanofilm Technologies International Limited	Sealed electrical devices	Europe	03 Nov 2023	PCT/EP2023/08070	Pending
92	Nanofilm Technologies International Limited	Sealed electrical devices	Singapore	03 Nov 2023	PCT/EP2023/08070	Pending
93	Nanofilm Technologies International Limited ar	Coated solar cell	China	03 Nov 2023	PCT/EP2023/08071	Pending
94	Nanofilm Technologies International Limited ar		Europe		CT/EP2023/08071	Pending
95	Nanofilm Technologies International Limited ar		Singapore	03 Nov 2023	CT/EP2023/08071	Pending
96		Corrosion-resistant, electrically conductive coatings, batt	China	04 Jan 2024	202410016607.2	Pending
97	Nanofilm Technologies International Limited ar	· · · ·	Europe		PCT/EP2024/051234	Pending
98	Nanofilm Technologies International Limited ar		Singapore		CT/EP2024/051234	Pending
99	Nanofilm Technologies International Limited	Improved CSS deposition process	WIPO		CT/EP2024/051234	Pending
100	Yizheng Nahuan Technology Co., Ltd.	Automatic feeding device based on piston ring DLC honir	China	08 Jan 2024	202410022662.2	Pending
101		Preparation method of nano-film sample with Ti-contain	China	24 Nov 2024	202411685970.X	Pending
		Coating roating carousel, equipment, carousel adjustmer	China	31 Dec 2024		Pending
L	ted 2025-07-15)					0

(updated 2025-07-15)

S/N REGISTERED OWNER

TITLE

UTILITY MODELS (实用新型专利)

S/N	REGISTERED OWNER	TITLE	TERRITORY	FILING DATE	PATENT NO.	STATUS
1	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A vacuum coating apparatus for a nanometer anti-finger	China	26 Feb 2016	ZL201620144366.0	Granted
2	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A large vacuum coating apparatus producing diamond th	China	30 Dec 2016	ZL201621474910.4	Granted
3	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A novel type of diamond thin-film	China	30 Dec 2016	ZL201621487788.4	Granted
4	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating shielding jig for watchcase	China	30 Jul 2019	ZL201921212034.1	Granted
5	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Quick feeding tool of coating clamp	China	30 Jul 2019	ZL201921212037.5	Granted
6	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Test device capable of cyclically simulating ball head batt	China	30 Jul 2019	ZL201921212047.9	Granted
7	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating film shielding jig for product with screw teeth	China	30 Jul 2019	ZL201921212595.1	Granted
8	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating jig capable of improving coating uniformity	China	30 Jul 2019	ZL201921212613.6	Granted
9	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Flat valve machining equipment with riveting and air tigh	China	07 Aug 2019	ZL201921271011.8	Granted
10	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Efficient air drying equipment	China	07 Aug 2019	ZL201921270512.4	Granted
11	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	High-temperature-resistant detection equipment for aut	China	07 Aug 2019	ZL201921270491.6	Granted
12	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Automatic bottle taking detection equipment	China	07 Aug 2019	ZL201921271008.6	Granted
13	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Automatic packaging machine	China	07 Aug 2019	ZL201921270485.0	Granted
14	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig	China	25 Nov 2020	ZL202022754870.1	Granted
15	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig	China	25 Nov 2020	ZL202022764051.5	Granted
16	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig	China	25 Nov 2020	ZL202022754917.4	Granted
17	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig	China	11 Dec 2020	ZL202022988894.3	Granted
18	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig	China	11 Dec 2020	ZL202022987993.X	Granted
19	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Contact resistance testing device	China	11 Dec 2020	ZL202022988402.0	Granted
20	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Device for detecting rotation performance of rotation me	China	29 Dec 2020	ZL202023254272.4	Granted
21	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Measuring device for cylindrical target	China	29 Dec 2020	ZL202023254271.X	Granted
22	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating Baffle	China	30 Jun 2021	ZL202121476762.0	Granted
23	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Double-Body Coating Machine	China	30 Jun 2021	ZL202121476761.6	Granted
24	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating Equipment	China	08 Jul 2021	ZL202121545740.5	Granted
25	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A percussion experiment device	China	11 May 2022	ZL202221132543.5	Granted
26	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A contact resistance automatic test equipment	China	11 May 2022	ZL202221128098.5	Granted
27	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A liquid evaporation coating device	China	11 May 2022	ZL202221132534.6	Granted
28	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A rotating holder testing device	China	11 May 2022	ZL202221132507.9	Granted
29	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A glass flipping device for vertical vacuum coating	China	25 Aug 2022	ZL202222239812.4	Granted
30	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	A coating jig for tiny electronic products	China	03 Nov 2022	ZL202222922370.3	Granted
31	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Inline coating apparatus for metallic fuel cell bipolar plat	China	04 May 2023	ZL202321040504.7	Granted

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32	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	An anode layer ion source and its cathodic shield	China	04 May 2023	ZL202321040525.9	Granted
33	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	An auxiliary cathode for glow-discharge coating and coat	China	18 Jul 2023	ZL202321895198.5	Granted
34	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating fixtures and cleaning devices	China	24 Oct 2023	ZL202322864538.4	Granted
35	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Fabric coating fixture	China	24 Oct 2023	ZL202322861819.4	Granted
36	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating device	China	09 Nov 2023	ZL202323037511.4	Granted
37	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Gradient color coatings	China	24 Nov 2023	ZL202323193956.1	Granted
38	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating device and coating equipment	China	24 Nov 2023	ZL202323198457.1	Granted
39	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Coating device and coating equipment	China	22 Dec 2023	ZL202323528067.6	Granted
40	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Optical composite coatings	China	21 Feb 2024	ZL202420325330.7	Granted
41	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Testing device for coating properties	China	25 Mar 2024	ZL202420594070.3	Granted
42	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Material suction device	China	11 Jun 2024	ZL202421324319.5	Granted
43	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Solid oxide fuel cell electrolyte thin film	China	31 Jul 2024	ZL202421845435.1	Granted
44	Nanofilm Vacuum Coating (Shanghai) Co., Ltd.	Automatic sorting device	China	22 Aug 2024	ZL202422056666.0	Granted
45	Yizheng Nahuan Technology Co., Ltd.	Waste liquid collecting tank for cleaning piston rings	China	22 Jul 2021	ZL202121678094.X	Granted
46	Yizheng Nahuan Technology Co., Ltd.	Multi-groove cleaning machine for piston ring coating	China	22 Jul 2021	ZL202121677773.5	Granted
47	Yizheng Nahuan Technology Co., Ltd.	Cleaning jig for cleaning piston rings	China	22 Jul 2021	ZL202121676728.8	Granted
48	Yizheng Nahuan Technology Co., Ltd.	Piston ring cleaning machine capable of realizing cyclic u	China	23 Jul 2021	ZL202121685528.9	Granted
49	Yizheng Nahuan Technology Co., Ltd.	Vacuum drying device for cleaning piston rings	China	23 Jul 2021	ZL202121685429.0	Granted
50	Yizheng Nahuan Technology Co., Ltd.	Piston ring feeding mechanism for vacuum coating mach	China	09 Aug 2021	ZL202121856789.2	Granted
51	Yizheng Nahuan Technology Co., Ltd.	Piston ring vacuum coating machine with vacuum degree	China	09 Aug 2021	ZL202121850444.6	Granted
52	Yizheng Nahuan Technology Co., Ltd.	Vacuum coating machine capable of uniformly coating pi	China	09 Aug 2021	ZL202121865988.X	Granted
53	Yizheng Nahuan Technology Co., Ltd.	Transfer device for piston ring DLC vacuum coating	China	11 Aug 2021	ZL202121875050.6	Granted
54	Yizheng Nahuan Technology Co., Ltd.	Coating jig for piston ring DLC vacuum coating	China	11 Aug 2021	ZL202121876624.1	Granted
55	Yizheng Nahuan Technology Co., Ltd.	Fixing jig for piston ring vacuum coating	China	02 Sep 2021	ZL202122102791.7	Granted
56	Yizheng Nahuan Technology Co., Ltd.	Driving power assembly for vacuum coating machine	China	02 Sep 2021	ZL202122102709.0	Granted
57	Yizheng Nahuan Technology Co., Ltd.	Cooling system assembled on vacuum coating machine	China	02 Sep 2021	ZL202122112076.1	Granted
58	Yizheng Nahuan Technology Co., Ltd.	Piston ring coating machine with intelligent temperature	China	03 Sep 2021	ZL202122112037.1	Granted
59	Yizheng Nahuan Technology Co., Ltd.	Insulation pre-detection device for vacuum coating mach	China	03 Sep 2021	ZL202122126966.8	Granted
60	Yizheng Nahuan Technology Co., Ltd.	Polishing device for piston ring machining	China	03 Nov 2022	ZL202222921685.6	Granted
61	Yizheng Nahuan Technology Co., Ltd.	Vacuumizing device of piston ring coating machine	China	03 Nov 2022	ZL202222920647.9	Granted
62	Yizheng Nahuan Technology Co., Ltd.	Spraying mechanism for cleaning piston rings	China	04 Nov 2022	ZL202222933770.4	Granted
63	Yizheng Nahuan Technology Co., Ltd.	A coating device for piston rings	China	05 Dec 2022	ZL202223243749.8	Granted
64	Yizheng Nahuan Technology Co., Ltd.	A fixture for piston ring vacuum coating	China	09 Dec 2022	ZL202223299761.0	Granted
65	Yizheng Nahuan Technology Co., Ltd.	Air cooling assembly for vacuum coating machine	China	10 Apr 2023	ZL202320760645.X	Granted
66	Yizheng Nahuan Technology Co., Ltd.	Fixture used in piston ring coating preparation	China	13 Oct 2023	ZL202322750909.6	Granted

REGISTERED OWNER	TITLE	TERRITORY	FILING DATE	FILING/PATENT NO	STATUS
Yizheng Nahuan Technology Co., Ltd.	Vacuum coating equipment with filtering device	China	13 Oct 2023	ZL202322760219.9	Granted
Yizheng Nahuan Technology Co., Ltd.	cathode arc device for preparation of cathode arc coatin	China	04 Jan 2024	ZL202420017112.7	Granted
Yizheng Nahuan Technology Co., Ltd.	DLC vacuum coating equipment for improving the densit	China	24 Jul 2024	ZL202421755079.4	Granted
Yizheng Nahuan Technology Co., Ltd.	Vacuum coating machine heat dissipation structure with	China	21 Aug 2024	ZL202422025988.9	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Three-electrode electrolytic tank device	China	17 Feb 2023	ZL202320252312.6	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	A device for testing the strength of welding joints	China	17 Feb 2023	ZL202320239052.9	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	A coating fixture	China	23 Aug 2023	ZL202322284088.1	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	A coating fixture	China	23 Aug 2023	ZL202322278269.3	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Vacuum drying device	China	23 Aug 2023	ZL202322278887.8	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Testing device	China	27 Sep 2023	ZL202322645827.5	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Testing device for contact resistance	China	19 Mar 2024	ZL202420538994.1	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Multi-functional coating jig and coating equipment	China	26 Aug 2024	ZL202422076356.5	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Measurement device for testing fuel cell metal bipolar pl	China	30 Dec 2024	ZL202423260388.7	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Coating fixture and automatic clamping device	China	30 Dec 2024	ZL202423260391.9	Granted
Sydrogen (Shanghai) Technology Co., Ltd.	Coating fixture and automatic clamping device	China	30 Dec 2024	ZL202423260398.0	Granted
EC Europ Coating GMBH and Surpro GMBH	Coated metallic article or coated metallic component of	Germany	16 Aug 2019	DE202019104533U	Granted
	Yizheng Nahuan Technology Co., Ltd. Yizheng Nahuan Technology Co., Ltd. Yizheng Nahuan Technology Co., Ltd. Yizheng Nahuan Technology Co., Ltd. Sydrogen (Shanghai) Technology Co., Ltd.	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Ltd.Coating fixture and automatic clamping deviceSydrogen (Shanghai) Technology Co., Ltd.Coating fixture and automatic clamping deviceSydrogen (Shanghai) Technology Co., Ltd.Coating fixture and automatic clamping device	Yizheng Nahuan Technology Co., Ltd.Vacuum coating equipment with filtering deviceChinaYizheng Nahuan Technology Co., Ltd.cathode arc device for preparation of cathode arc coatinChinaYizheng Nahuan Technology Co., Ltd.DLC vacuum coating equipment for improving the densitChinaYizheng Nahuan Technology Co., Ltd.Vacuum coating machine heat dissipation structure withChinaSydrogen (Shanghai) Technology Co., Ltd.Three-electrode electrolytic tank deviceChinaSydrogen (Shanghai) Technology Co., Ltd.A device for testing the strength of welding jointsChinaSydrogen (Shanghai) Technology Co., Ltd.A coating fixtureChinaSydrogen (Shanghai) Technology Co., Ltd.A coating fixtureChinaSydrogen (Shanghai) Technology Co., Ltd.Vacuum drying deviceChinaSydrogen (Shanghai) Technology Co., 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