



Silver Hawk Co., Ltd.

Complete Patents List

Silver Hawk Invention Patents

	PATENT NAME	PATENT NUMBER	GRANT DATE	PATENT HOLDER
1	Production Process for Cotton Linter Pulp	ZL200810016759.3	Mar. 3 rd , 2010	Silver Hawk Co., Ltd.
2	Preparation Method for Sisal Pulp	ZL200810016760.6	Jul. 21 st , 2010	Silver Hawk Co., Ltd.
3	Production Process for Cotton Linter Pulp Used in Automotive Oil and Gas Filter Paper Manufacturing	ZL200810016757.4	Dec. 1 st , 2010	Silver Hawk Co., Ltd.
4	Preparation Method for High-Strength Cotton Linter Pulp for Paper Applications	ZL201110020827.5	Dec. 12 th , 2012	Silver Hawk Co., Ltd.
5	Method for Modifying Papermaking-Grade Wood Pulp into Dissolving Pulp for Viscose Fiber Production	ZL201611093675.0	May 24 th , 2017	Silver Hawk Co., Ltd.
6	Preparation Method for High-Strength Cotton Linter Pulp for Filter Paper Applications	ZL201910100100.4	Jan. 21 st , 2022	Silver Hawk Co., Ltd.
7	Production Process for Cotton Linter Pulp for Cellulose Nitrate Manufacturing	ZL201910957021.5	April 19 th , 2022	Silver Hawk Co., Ltd.
8	Production Process for Cotton Linter Pulp for Quantitative and Qualitative Filter Paper Manufacturing	ZL201910956956.1	Sept. 14 th , 2021	Silver Hawk Co., Ltd.
9	Production Process for Plastic-Grade Diacetate Cellulose Cotton Linter Pulp	ZL202010669773.4	Dec. 9 th , 2022	Silver Hawk Co., Ltd.
10	Production Process for Spinning-Grade Diacetate Cellulose Cotton Linter Pulp	ZL202010669774.9	April 18 th , 2023	Silver Hawk Co., Ltd.
11	Preparation Method for Seed Hemp Pulp Used in Viscose Fiber Manufacturing	ZL202110434404.1	Jan. 20 th , 2023	Silver Hawk Co., Ltd.
12	Method for Producing Pulp from Waste Pure Cotton Fabrics and its Related Products and Applications	ZL202211424051.8	Jun. 2 nd , 2023	Silver Hawk Co., Ltd.
13	Production Process for Low-Polymerization Cotton Linter Pulp for Ultra-Low Viscosity Hydroxyethyl Cellulose Ether	ZL202211619711.8	Nov. 24 th , 2023	Silver Hawk Co., Ltd.
14	Production Process for Lithium Battery- Grade Cotton Linter Pulp for Cellulose Ether Applications	ZL202410151246.2	2024	Silver Hawk Co., Ltd.
15	Production Process for High-Polymerization Cotton Linter Pulp for Cellulose Ether Manufacturing	ZL200810016758.9	Feb. 10 th , 2010	Silver Hawk Chemical Fiber Co., Ltd.
16	Production Process for Cotton Linter Pulp Used in Triacetate Cellulose Manufacturing	ZL200910016408.7	Dec. 29 th , 2010	Silver Hawk Chemical Fiber Co., Ltd.
17	Method for Producing Triacetate Cellulose Cotton Linter Pulp Using Secondary Cooking Technology	ZL201110285560.2	April 15 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
18	Solvent-Based Process for Producing Sunlight Heat-Storage and Thermal Insulation Fibers	ZL201210102848.6	Nov. 9 th , 2014	Silver Hawk Chemical Fiber Co., Ltd.

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19	Preparation Method for Color-Changing Viscose Fibers	ZL201210102858.X	Jan. 8 th , 2014	Silver Hawk Chemical Fiber Co., Ltd.
20	Laccase-Based Method for Producing Fully Regenerated Alcohol-Soluble Protein Fibers	ZL201310465391.X	Aug. 5 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
21	Preparation Method for Mulberry Bark Fibers	ZL201410308847.6	Oct. 26 th , 2016	Silver Hawk Chemical Fiber Co., Ltd.
22	Method for Producing Regenerated Cellulose from Desert Willow	ZL201410544050.6	Jan. 6 th , 2016	Silver Hawk Chemical Fiber Co., Ltd.
23	Method for Improving Enzymatic Hydrolysis Efficiency and Lignin Recovery from Lignocellulosic Raw Materials	ZL201610096432.6	Nov. 10 th , 2017	Silver Hawk Chemical Fiber Co., Ltd.
24	Preparation Method for Antibacterial Nanocellulose Films with Nano Silver Ions	ZL201610214087.1	Aug. 10 th , 2018	Silver Hawk Chemical Fiber Co., Ltd.
25	Production Process for Cotton Linter Pulp Used in Electrolytic Capacitor Paper	ZL201610320500.2	Dec. 29 th , 2017	Silver Hawk Chemical Fiber Co., Ltd.
26	Preparation Method for Functional Regenerated Cellulose Fibers	ZL201610840465.7	Nov. 23 rd , 2018	Silver Hawk Chemical Fiber Co., Ltd.
27	Preparation Method for Semi-Wet Pulp, Alkali Cellulose, and Viscose Spinning Glue	ZL201611160676.2	Jun. 14 th , 2019	Silver Hawk Chemical Fiber Co., Ltd.
28	Preparation Method for Silicon-Nitrogen Flame-Retardant High-Wet-Modulus Viscose Fibers	ZL201710709544.9	Oct. 29 th , 2021	Silver Hawk Chemical Fiber Co., Ltd.
29	Preparation Method for Cross-Shaped Permanent Cool-Feel Antibacterial Regenerated Cellulose Fibers	ZL201711062037.7	Jun. 26 th , 2020	Silver Hawk Chemical Fiber Co., Ltd.
30	Preparation Method for Inorganic Flame-Retardant and Temperature-Regulating Viscose Fibers	ZL201910274222.5	Sept. 24 th , 2021	Silver Hawk Chemical Fiber Co., Ltd.
31	Preparation Method for Cattail-Based Viscose Fibers	ZL201910471055.3	May 24 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
32	Preparation Method for Rare-Earth-Modified Regenerated Cellulose Fibers	ZL202110622059.4	Jul. 26 th , 2022	Co-owned by Shandong Silver Hawk Chemical Fiber Co., Ltd. and affiliated companies
33	Preparation Method for Rare-Earth-Modified Functional Additives	ZL202110622058.X	Jun. 16 th , 2023	Co-owned by Shandong Silver Hawk Chemical Fiber Co., Ltd. and affiliated companies
34	Process for Producing Binchotan Charcoal-Composite Nano-Platinum Bamboo Pulp Fibers for Face Mask Base Fabric	ZL202110771967.X	Jul. 28 th , 2023	Silver Hawk Chemical Fiber Co., Ltd.
35	Flame-Retardant Fabric and its Preparation Method	ZL202110083914.9	Jan. 19 th , 2024	Co-owned by Shandong Silver Hawk Chemical Fiber Co., Ltd. and affiliated companies

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36	Preparation Method for Far-Infrared Antibacterial and Deodorizing Cellulose Fibers	ZL202311598600.8	Mar. 8 th , 2024	Co-owned by Shandong Silver Hawk Chemical Fiber Co., Ltd. and affiliated companies
37	Digital Fabric Simulation and Optimization Method Based on Cloud Computing for Apparel Fabrics	ZL202311577673.9	April 5 th , 2024	Co-owned by Shandong Silver Hawk Chemical Fiber Co., Ltd. and affiliated companies
38	Preparation Method for Regenerated Seed Hemp Fibers	ZL202310230824.7	Jul. 30 th , 2024	Silver Hawk Chemical Fiber Co., Ltd.
39	Preparation Method for Antibacterial and Sleep-Enhancing Bamboo Cellulose Fibers for Home Textiles	ZL202211232475.4	2024	Silver Hawk Chemical Fiber Co., Ltd.

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Silver Hawk Utility Model Patent

	PATENT NAME	PATENT NUMBER	GRANT DATE	PATENT HOLDER
1	Long-Fiber Pulping Machine	ZL201420591348.8	April 15 th , 2015	Silver Hawk Co., Ltd.
2	Volute-Type Pulp-Saving and Sand Removal Apparatus	ZL201621262946.6	May 31 st , 2017	Silver Hawk Co., Ltd.
3	High-Speed Rewinding Mechanism for Coreless Cotton Linter Pulp Rolls	ZL201921154201.1	May 12 th , 2020	Silver Hawk Co., Ltd.
4	Rapid Filter Replacement Device for Opening and Cleaning Machines	ZL202023178096.0	Nov. 5 th , 2021	Silver Hawk Co., Ltd.
5	Detachable Bearing Housing for Bundling Machine Roller Assemblies	ZL202121375801.8	Dec. 17 th , 2021	Silver Hawk Co., Ltd.
6	Pilot Line Acid Bath Preparation System	ZL201420820971.6	May 6 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
7	Secondary Injection System for Pre-Spinning Operations	ZL201420820923.7	May 6 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
8	High-Efficiency Oxidation Processor	ZL201420820925.6	May 6 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
9	Acid Bath Preparation Equipment	ZL201420820922.2	May 6 th , 2015	Silver Hawk Chemical Fiber Co., Ltd.
10	Fiber Strand Compression Mechanism for Bundle Rollers in Viscose Fiber Production Lines	ZL201521145319.X	Jun. 1 st , 2016	Silver Hawk Chemical Fiber Co., Ltd.
11	Additive Treatment System for Functional Nano Viscose Fiber Production	ZL201521144339.5	Jun. 1 st , 2016	Silver Hawk Chemical Fiber Co., Ltd.
12	Additive Reaction Kettle for Lyocell Fiber Manufacturing	ZL201521145318.5	Jun. 1 st , 2016	Silver Hawk Chemical Fiber Co., Ltd.
13	Slurry Emulsification, Filtration, and Degassing System for Graphene-Enhanced Viscose Fiber Production	ZL201521143931.3	Jun. 1 st , 2016	Silver Hawk Chemical Fiber Co., Ltd.
14	Compact Emulsification and Vacuum Degassing Experimental Unit	ZL201721442690.1	Jun. 5 th , 2018	Silver Hawk Chemical Fiber Co., Ltd.
15	Compact Acid Bath Filtration and Backwashing System	ZL201721442689.9	Jul. 17 th , 2018	Silver Hawk Chemical Fiber Co., Ltd.
16	Fiber Splitting and Plastification Device for Differentiated Fiber Production	ZL201922402613.9	Nov. 24 th , 2020	Silver Hawk Chemical Fiber Co., Ltd.
17	Industrial Crusher	ZL202020247137.8	Dec. 22 nd , 2020	Silver Hawk Chemical Fiber Co., Ltd.
18	Adjustable Fiber Separation Apparatus	ZL202120953381.0	May 24 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
19	Gap-Adjustable Rubber Block Crushing Device	ZL202120953390.X	Jan. 28 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
20	Disassembly Tool for Nozzle Components	ZL202122036741.3	Mar. 1 st , 2022	Silver Hawk Chemical Fiber Co., Ltd.
21	Transition Device for Fiber Conveyor Belts in Viscose Fiber Refining Test Lines	ZL202221127770.9	Nov. 25 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.

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22	Differentiated Fiber Gel Preparation Apparatus	ZL202221477339.7	Nov. 11 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
23	Differentiated Fiber Production Line System	ZL202221477342.9	Nov. 11 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
24	Acid Bath Preparation Tank for Industrial Applications	ZL202221514242.9	Nov. 11 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
25	Industrial Spinning Apparatus	ZL202221477352.2	Nov. 11 th , 2022	Silver Hawk Chemical Fiber Co., Ltd.
26	Compact Integrated Fiber Refining System	ZL202322075798.3	Mar. 26 th , 2024	Silver Hawk Chemical Fiber Co., Ltd.

Silver Hawk Co., Ltd. and Affiliated Companies

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