

Human Resources

Technology and Ability

Chengda adheres to the innovative concept of "technology innovation leads development". In recent years, the number of newly applied patents and the numt authorized patents have continued to increase significantly. At present, it has nearly 300 authorized patents, including more than 30 invention patents, coverin alkali, soda ash, natural gas chemical industry, coal chemical industry, photothermal, succinic acid, new materials, new energy and other fields, and a number have been popularized and applied.


Summary of Patents for Invention of China Chengda Engineering Co., Ltd.


No.	Patent Description	Type	Patent No.
1	A Kind of Synthesis Gas Preparation System and Preparation Process	Patent for Invention	ZL201810207693.X
2	A Kind of Purification Process and Unit of Yellow Phosphorus Tail Gas	Patent for Invention	ZL2018111518104.6
3	Wet Acetylene Carbide Slag Treatment Process	Patent for Invention	ZL201811427940.3
4	A Kind of Unit and Process for Converting Multi-Component Complex Organic Sulfur in Crude Syngas into Hydrogen Sulfide	Patent for Invention	ZL201811129439.9
5	A Kind of Unit and Method for Prolonging the Operation Cycle of Mother Liquor Distillation Column of Soda Ash Production	Patent for Invention	ZL201810853135.0
6	A Kind of Hydrocarbon Steam Reforming Unit and Reforming Process with Pre-Reforming and Using High Temperature Primary Reforming Gas to Preheat Mixed Gas	Patent for Invention	ZL201810820508.4
7	A Kind of Online Elimination Unit and Method for SCR Urea Method Denitration Spray Nozzle Crystallization	Patent for Invention	ZL201810671005.5
8	A Kind of Low Chlorine Photothermal Molten Salt Production Process and Production Unit	Patent for Invention	ZL201810418359.9


Home	About Chengda	Press and Bulletins	Products and Services	Technology and Ability	Corporate Culture
Human Resources	10	Extraction System and Ammonia Extraction Treatment System and Treatment Technology of Calcium Carbide Slag in Cement Production and Storage		Patent for Invention	ZL201810165558.3
		A Kind of Sealing Method of Vacuum Compressor in Acetylene Production from Natural Gas		Patent for Invention	ZL201711422220.3
	11	A Kind of Method for Succinic Acid Synthesis by Catalytic Hydrogenation of Acetylene Double Carbonylation Product		Patent for Invention	ZL201711041529.8
	12	A Kind of Preparation Method of Double Carbonylation of Acetylene Catalyzed by Palladium		Patent for Invention	ZL201711036623.4
	13	A Kind of Coal Gasification Black Water Flash Steam Utilization Process		Patent for Invention	ZL201710363418.2
	14	Stress Analysis Method for Inlet and Outlet Pipes of Intermediate Heat Exchangers in Large Methanol Plants		Patent for Invention	ZL201610823611.5
	15	Recovery Unit and Recovery Method for Purge Gas Containing Acetylene of BDO Plant		Patent for Invention	ZL201610762897.0
	16	Method for Producing Granular Polysilicon by Silane Moving Bed Stacking Method		Patent for Invention	ZL201610159426.0
	17	A Mother Liquor Deammoniation Process and Equipment Used for Soda Ash Production by Hot Process		Patent for Invention	ZL201510599474.7
	18	Shaft Seal Structure of Centrifugal Coal Slurry Pumps		Patent for Invention	ZL201410671156.2
	19	A New Process for Purification of C4 Hydrocarbon Fluids		Patent for Invention	ZL201510580729.5
	20	Automatic Loading System and Loading Method of Leak-Proof Loading Arms for Liquid Chlorine Tank Trucks		Patent for Invention	ZL201410173352.7
	21	An Ammonia and Carbon Separation Device and Process		Patent for Invention	ZL201410382748.2
	22	A Device and Process to Separate Mixed Gases Containing NH3 and CO2		Patent for Invention	ZL201410382834.3
	23	A Device and Process Using Multi-Stage Non-Balanced Absorption Method to Separate NH3 and CO2 Mixed Gas		Patent for Invention	ZL201410382629.7
	24	Packing Shaft Seal Structure Used for HP Reciprocating Pumps		Patent for Invention	ZL201410026553.4
	25	A Soda Ash Production Method by Supplementing CO2 to Flue Gas		Patent for Invention	ZL201310579696.3
	26	Dichloroprene Preparation Method and Preparation Unit from Dichlorobutylene		Patent for Invention	ZL201310443761.X
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Home	About Chengda	Press and Bulletins	A Composite Catalyst Used to Prepare and Polymerize by Catalytic Hydrogenation Silicon Tetrachloride	Technology and Ability	Corporate Culture	ZL201210546845.1
Human Resources			A High-Efficiency Gas-Liquid Phase Mercury Recovery and Totally Enclosed Hydrochloric Acid Circulating Process for Acetylene-Based VCM Plants	Patent for Invention		ZL201110451109.3
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31			A Urea Ammonium Nitrate Solution Preparation Method	Patent for Invention		ZL201110428540.6
32			A Flexible Thin Tubesheet Type Reformed Gas Waste Heat Boiler	Patent for Invention		ZL201110058830.6
33			Anti-Sand and Dust Removal Technology for Cooling Towers	Patent for Invention		ZL200810021889.6
34			Cleaning Process for External-Cooling Shift Gas Soda Ash Preparation	Patent for Invention		ZL200710050017.8

China Chengda Engineering Co., Ltd. maintains 229 valid utility model patents.

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