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SISTEMAS DE ELEVACIO ROTATIVA



Vertical rotary parking system (driven structure)

Invention patent 2016101996413

The invention solves the problems of large resistance, high energy consumption, low efficiency and poor practicability of the existing vertical rotary garage.

The patented product has high efficiency, low running resistance, smooth running and low energy consumption etc. characteristic.

Significantly improve the flexibility of the the vertical rotary garage operation, and maintenance free, no noise, low cost.
(noise reduction, energy saving, chain maintenance free)

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Vertical rotary parking system(appearance design)

Utility model 2016202664393

The protected appearance of vertical rotary garage is beautiful and practical.

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Vertical rotary parking system car carrying mechanism assembly Utility model 201620266443X



Existing vertical rotary garage car carrying mechanism assembly in the operation process, the vehicle prone to lateral displacement, safety performance is not high, the utility model of car carrying mechanism in the vehicle transverse increased piece of elastic and elastic block can be in the wind to prevent vertical rotary garage car carrying machine structure assembly and at the top of the car carrying mechanism assembly a fierce collision, the load induced by the intense floors of car lateral sliding. Lateral wheel groove is designed on the template, the lateral wheel groove design several which can prevent moored in loading the template on the vehicle along the lateral wheel groove direction sliding skid moving convex strips, which can effectively prevent the vehicles in the process of lifting the sideslip.

The utility model vertical rotary parking system car carrying assembly can effectively prevent vehicles in the operational process of the garage sway, and in the night and line of sight is not good can be effective to remind personnel accurate parking, and achieve the safety door.



Fully automatic anti swing control system Invention patent 2016202664393

In the process of storing and taking a car for the existing vertical rotary parking system, when the bottom car plate close to stop, it will continue to shake, can not be stopped because of inertia. Patent product design the full automatic anti swing control system , which solves the vertical rotary parking system car plate swing difficult problem successfully.

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Vertical rotary parking system safety protection system

Utility model 2016202664410

Existing vertical rotary garage safety protection equipment generally only be set the fence, which can not effectively achieve the purpose of reminding the relevant personnel to accurately park, safety protection, especially in the case of poor sight at night. This patent relates to a kind of safety protection system for vertical rotary parking system.



1. Column coated with reflective markers to determine the location of the vehicle on the car hanger.

2. Car plate be designed the wheel transverse groove, the wheel transverse groove be designed anti slip movable lug, which can prevent vehicles parked on the car plates sliding along the groove direction, then vehicle access is relatively easy, can prevent the vehicles sideslipping in the process of lifting.



3. The safety protection system comprises an acoustic optic alarm which is arranged on the lower part of the upright post, and the acoustic optic alarm is connected with the operation controller of the garage. Acoustic optic alarm plays the role of warning.

4. Designing a heading, which can prevent the scraping between vehicle hanger and ground. This patent can achieve the effective isolation of personnel and machinery, and guide the driver to accurately park and ensure the safety of personnel.

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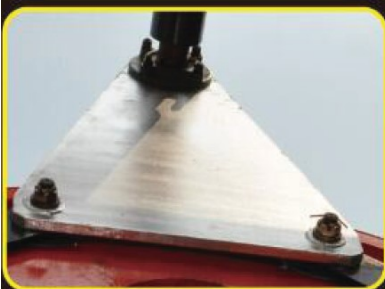


Width adjustable vertical rotary parking system

Invention patent 2016101996428

The patent solves the existing vertical rotary garage common hanging mount car hanger size limited, running resistance, high energy consumption, low efficiency defects, the patented product chain wheel can ensure the tight loop segment chain can be good to drive, and can make the tightening cycle chain link and top rotating disk contact surface not too close, good transmission effect, low energy consumption and flexible operation. The chain width is adjustable, the car plate can be equipped with different specifications, for the storage of different types of vehicles.

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Anti-corrosion forty-five

Invention patent 2016202592408

Corrosion is the result of the action between metal materials and environmental media at the interface, which influence product quality and appearance.

This product uses forty-five anti-corrosion materials, to solve the corrosion of metal materials defect, so that the product is durable.



Vertical rotary parking system frame assembly Utility model 2016202664406

The patent is mainly to protect "one kind of vertical rotary parking system" invention patent's architecture in detail.

Existing vertical rotary parking system frame assembly universal transmission efficiency is not high, poor usability,

This patented product overall mechanism design is reasonable, rational design of the chain guide groove, preventing side rails and other key structure to solve the chain's deviation, improve load rate of car hanger running stability. Frame structure be adopted frame style, which has small running resistance, small friction energy dissipation, operation flexible, circular transmission structure has the advantages of high efficiency, small friction resistance, power consumption ratio is about 10-15% of lower than common vertical rotary parking system.

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Vertical rotary parking system transmission system assembly Utility model 2016202664393

Existing vertical rotary parking system universal has the existence of large friction, energy consumption and low transmission efficiency

In the whole movement process of this patented product transmission system, stable structure, small running resistance, friction energy dissipation is small, flexible operation, not to hurt the chain plate, not easy sideslip, which improve the load hanger vehicle running stability. The special material of rollers, a sleeve, a circular high chain link, good flexibility, high strength, good resistance to abrasion, and maintenance free. no noise, low cost, which improve the overall performance of the drive system.

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Vertical rotary parking system large chain segment driven chain

Utility model 2016202664425

The existing vertical rotary garage driving chain universal has the problems of large friction force, high energy consumption, high cost and difficult maintenance, the utility model one kind of vertical rotary parking system segment transmission chain be installed on the vertical circulation parking driving supporting device and a passive support device, which can effectively improve the transmission efficiency of the vertical rotary garage, energy consumption has been effectively reduce operation flexibility can be improved effectively.

And the chain uses the high quality material, the weight compared to the traditional iron chain, the weight is significantly reduced.

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