

The working principle of the anti-collision device solar container

Collapsible solar Container hit the headlines at recent trade fairs with the latest generation of portable solar technology combining standard shipping containers and collapsible solar ...

In this paper, the flexible guided anti-collision device proposed by our research team is first introduced for the working principle of the device and the effectiveness and reliability of the ...

Collision avoidance systems are designed to help prevent collisions between cranes or their loads. These systems either slow down or stop crane movements when the crane or its load comes within a ...

This patent discloses a solar cell and a solar barricade with an anti-collision alarm function. The solar cell is made of a heterojunction type material, which is composed of P-type semiconductor cadmium ...

Abstract This study proposes a novel composite rotational guiding anti-collision (CRGAC) device made of polyurethane foam-glass fiber reinforced polymer (GFRP) composite ...

Download Citation | On Feb 1, 2025, Jianhua Zhang and others published The analysis of crashworthiness and energy dissipation mechanism of novel rotational guiding anti-collision device ...

With the widespread use of UAVs, accidents with UAVs are inevitable. It is necessary to design an anti-collision UAV suitable for aircraft inspection. CFD simulation software is used to study the effect of ...

Sophisticated collision avoidance technology improves safety and efficiency across various port equipment applications by detecting, classifying, and preventing potential collisions. This reduces the ...

This study utilizes LS-DYNA software to develop a finite element collision system model and perform numerical dynamic simulations to investigate the energy absorption performance of anti ...

Typically M30 or M18 sensors are used. -Anti-collision devices, typically M30 sensors due to higher sensing range, using one Digital Output to slowdown the machine (when an obstacle is detected in ...

Container handling: monitoring of hazardous areas and detects any trucks or their drivers. Fur-thermore it provides precise parking position information and upports the Anti-Truck-Lifting function. The laser ...

Then, the process of anti-collision technologies is reviewed from three aspects, i.e., obstacle sensing, collision prediction, and collision avoidance. We provide a detailed survey and ...

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In order to reduce the damage caused by vehicle-bridge collision and provide theoretical basis for the design of anti-collision device, this paper establishes vehicle-facility-pier ...

Numerical simulation was used to study the anti-collision device. The numerical model verified with the real ship collision data simulates the intercepting ability of the device under different ship speeds and ...

The utility model provides an intelligent solar energy anti-collision device for an automobile, which comprises an infrared laser transmitter, an infrared laser receiver, a CPU, a voice...

The superstructure front wall of a container ship is provided with a collision prevention device, so as to avoid direct collisions between the container and the superstructure in the assembly and disassembly ...

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