Title

Side impact protection linkage mechanism and safety seat base

Field of the Invention

The present invention relates to a child safety seat base, particularly a side impact protection linkage mechanism applied to a safety seat base and the safety seat base.

Background of the Invention

A child safety seat is a device that is installed on a car seat and restrains children thereon through a restraint device. In the case of an emergency braking or accidental collision of the car, the safety seat reduces the damage to the children by a casing thereof and restrains the body movement of children by the restraint device, so as to reduce the injury of children in the accident and ensure the safety of children in the car.

The child safety seat includes a base and a seat body detachably disposed on the base. In order to provide side impact protection, a lateral protection device is usually disposed on a side of the seat body of the child safety seat, and the lateral protection device a foldable structure. That is to say, the lateral protection device needs to be opened manually to provide protection when the child is seated in the seat and the lateral protection device needs to be folded to avoid occupying the lateral space when the child leaves the seat. However, when the child safety seat is being used, a user often neglects to manually open the lateral protection device, resulting in that the lateral protection device cannot function well.

At present, some lateral protection devices may be opened automatically. However, the structure of a driving mechanism for driving the lateral protection device is more complicated and the response is not sensitive enough. Therefore, it is necessary to improve the driving mechanism of the lateral protection device.

Summary of the Invention

The present invention aims at providing a side impact protection linkage mechanism with simple structure and sensitive response.

The present invention further aims at providing a safety seat base equipped with a