

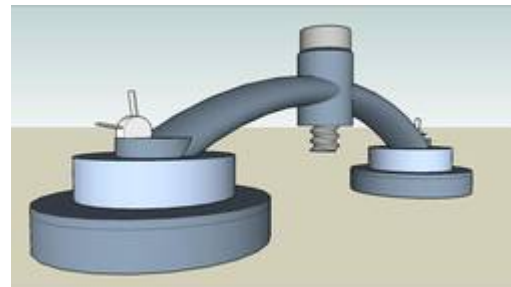
Patent: Anti-tipping device for sports equipment in sports facilities

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Description

This is an **anti-tipping device for futsal and handball goals and basketball, volleyball and badminton posts, characterised by having a non-permanent means of securing it to the floor or surface of the playing area**, with a margin for movement of said structures so that **in the event of an accidental direct impact occurring with them, the injury will be much slighter, since said structure will give way slightly, absorbing a large part of the impact, but never falling over.**



Need or problem it solves

- **Avoiding the tipping over of goals, baskets and volleyball posts etc.** providing the maximum safety and stability, and avoiding the risk of persons playing the sport in question from being crushed.
- Need to **be fitted and removed with great ease** which gives the **principle of multifunctionality and adaptability** that sporting facilities require. Thus, permanent fixing of the equipment by means of works and screwed in parts is avoided.
- **To eliminate the counterweights these metal structures have on them**, which, on account of their considerable weight make the structures difficult to transport and put into use. What is more, they are bulky, blunt components, near to where sport is played, which at times have sharp edges and are rusty.
- **To make it possible to store them** in a secure location, **thus avoiding deterioration and corrosion due to the inclemencies of the weather.**
- **To prevent vandalism-related events** (theft) of the equipment since it is fitted with a screw to the framework or support of the sports equipment.
- To make the equipment easy to slide or lean, or to give it a margin of movement in the event of opting for not fully tightening the fixing screw or not tightening it to its end stop. This means, **if an individual accidentally collides with or bumps into the metal structure, the structure will slightly give way, but it will not tip over.** In this event, the injury will be much slighter, since said structure will absorb a large part of the impact.

Innovative features/competitive advantages

- **Multifunctional:** the device enables the fixing of the majority of sports equipment to be found in multi-sports facilities, both indoor and outdoor.
- **Safety Principle:** It avoids the tipping over of goals, baskets and volleyball posts etc. providing the maximum safety and stability, and avoiding the risk of persons playing the sport in question from being crushed. Moreover, it provided equipment with an ability to easily slide or lean and gives it a margin of movement.
- **Adaptability:** As it can be installed and removed with great ease, it provides the principle of adaptability the sports facility needs. Thus, permanent fixing of the equipment by means of fittings and screwed in parts is avoided.
- **Comfort:** It makes it possible to dispense with counterweights holding these metal structures up which, due to their high weight, make it difficult to transport equipment and put it into use and which, at times, have sharp edges and are rusty.



- **Functionality:** It dispenses with the need for fittings on the sports playing area and anchorages necessitating the introduction of metal structure, the use of complicated screws and anchorages and the use of steel struts supporting the sports equipment.
- **Cost:** This is an inexpensive device. Each suction pad can support 50 kg weight, meaning that only two devices are needed to secure one goal.
- **Easy, low maintenance:** The device is easy to remove and transport; it is easy to store.
- **Protection:** It makes it possible to store sports equipment in a secure place, thus avoiding damage and corrosion due to the inclemencies of the weather.
- **Prevents vandalism-related events** (theft) of the equipment since it is fitted with a screw to the framework or support of the sports equipment.

Types of businesses interested

- Authorities related to the sports and education sector: Town councils, Ministries, Municipal Sports Institutes
- State and private schools and colleges etc.
- Clubs, sports centres, gymnasias etc. wherever there are futsal or handball goals, basketball baskets, volleyball and badminton posts