

SHOCK-ADSORBING DEVICE FOR HELMETS

ALMA MATER STUDIORUM-UNIVERSITÀ DI BOLOGNA



Innovative system for helmets characterized by a shock-adsorbing device able to minimize perpendicular and tangential impacts that cause rotational accelerations, responsible for concussions.

Protection: International (PCT)

Inventors: Martino Colonna, Giuseppe La Fauci, Mariafederica Parisi

INVENTION

The patented technology consists of a closed system in which a rigid part is free to move in three directions, within a fluid that is confined thanks to an elastic gasket. This rigid component can have different shapes and it allow to mixime the shear and compression stress during movement and therefore to absorb a greater amount of energy during the impact compared to devices currently on the market.

ADVANTAGES

- Better absorption of perpendicular and tangential impacts
- Reduction of the risk of head injuries following falls and bumps

APPLICATIONS

- System for sport helmets

CONTACTS

Knowledge Transfer Office

www.unibo.it/patents

+39 051 20 80 635 - 683

kto@unibo.it



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