

Title (en)
INTERNAL PROTECTION DEVICE FOR A HELMET AND HELMET EQUIPPED THEREWITH

Title (de)
INNENSCHUTZVORRICHTUNG FÜR EINEN HELM UND DAMIT AUSGESTATTETER HELM

Title (fr)
DISPOSITIF DE PROTECTION INTERNE POUR CASQUE ET CASQUE AINSI EQUIPE

Publication
EP 3435803 A1 20190206 (FR)

Application
EP 16731233 A 20160527

Priority
• FR 1652851 A 20160331
• FR 2016051272 W 20160527

Abstract (en)
[origin: WO2017168058A1] The invention relates to an internal protection device for a helmet (2) comprising a hard outer shell (4), a flexible inner cap (6) arranged inside the shell (4), and a chain of air cushions (8) designed to be placed inside the helmet (2), between the head that is to be protected and the flexible inner cap (6). The flexible inner cap (6) comprises a layer of thickness (E) within which there is created a plurality of cavities (100-n) of which the shape, number, respective depth (P) and arrangement are chosen, dimensioned and combined with the air cushions (10-n) so as to improve the shock absorbing properties of the helmet and cover the parts of the user's head that are to be protected when the air cushions (8) are filled with air, while allowing simple removal from the helmet when the air cushions are deflated.

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