

Title (en)
SAFETY HELMET

Title (de)
SCHUTZHELM

Title (fr)
CASQUE DE SÉCURITÉ

Publication
EP 2982257 A1 20160210 (EN)

Application
EP 15460021 A 20150615

Priority
PL 40911114 A 20140805

Abstract (en)
The subject matter of the patent is a safety helmet designed for detainees in relation to whom there is a reasonable suspicion that they can act aggressively towards others around them as well as inflict harm on themselves. The safety helmet consists of outer cushions (2), (3), (4), a hoop belt (1) buckled in the rear part and bonded with three cushions (6), (7), (8), forming the upper part, as well as a bottom "gondola" cushion (9) with a modelling elastic strap (12). The cushions comprise inserts constituting an array at least two layers of foam materials (15),(16), totalling 20-35 mm in thickness. Depending on the location, the cushions ensure the transfer of force under the helmet ranging from 1.3 to 3.5 kN upon the action of external energy of approx. 15 J. The complementary equipment of the helmet features two disposable fibre inserts, one of which (17) serves as the lining of the upper part and the other (18) as the protection of the bottom cushion (9).

IPC 8 full level
A42B 3/18 (2006.01); **A42B 3/00** (2006.01)

CPC (source: EP)
A42B 3/00 (2013.01); **A42B 3/18** (2013.01)

Citation (applicant)
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