

Title (en)
Ballistic-resistant moulded article

Title (de)
Geformter ballistischer Gegenstand

Title (fr)
Objet ballistique moulé

Publication
EP 0768507 A1 19970416 (EN)

Application
EP 96202774 A 19961004

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Abstract (en)
The invention relates to a ballistic-resistant article containing a compressed stack of monolayers, with each monolayer containing unidirectionally oriented reinforcing fibres and a matrix consisting of a polymer, the fibre direction in each monolayer being rotated with respect to the fibre direction in an adjacent monolayer. The moulded article has both a high structural stiffness and dimensional stability and a high protection level and a low trauma effect because the monolayer has a fibre content of between 20 and 145 g/m² and a matrix content of at most 25 wt.%, the reinforcing fibres are aramid fibres and the matrix polymer has a modulus of elasticity of more than 200 MPa.

IPC 1-7
F41H 5/04

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F41H 5/04 (2006.01)

CPC (source: EP)
F41H 5/0485 (2013.01)

Citation (search report)

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