

Title (en)
Composite panel for vehicle armour

Title (de)
Verbundplatte zur Panzerung von Fahrzeugen

Title (fr)
Panneau composite pour blindage de véhicules

Publication
EP 2796827 B1 20180411 (FR)

Application
EP 13002111 A 20130422

Priority
EP 13002111 A 20130422

Abstract (en)
[origin: US2014311326A1] Armor panel comprising an aluminium alloy plate wherein: a) said aluminium alloy has the following chemical composition expressed in percentages per weight: 5.1% \pm 0.2% Zn \pm 0.15% 1.5% \pm 0.2% Mg \pm 0.1% 1.2% \pm 0.1% Cu \pm 0.1% Si \pm 0.4% Fe \pm 0.5% Mn \pm 0.3% Cr \pm 0.28% Ti \pm 0.2% Zr \pm 0.15% b) said plate comprises a face oriented towards the shocks and a face opposite said face oriented towards the shocks coated with a composite reinforcing layer comprising reinforcing fibres or bands with high ballistic protection performance, typically made of high mechanical performance glass, aramid or high performance polyethylene.

IPC 8 full level
F41H 5/04 (2006.01)

CPC (source: EP US)
F41H 5/0464 (2013.01 - EP US)

Citation (opposition)
Opponent : Aleris Rolled Products Germany GmbH

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