

Title (en)

ARMOR PANELS HAVING STRIP-SHAPED PROTECTION ELEMENTS

Title (de)

PANZERTAFELN MIT STREIFENFÖRMIGEN SCHUTZELEMENTEN

Title (fr)

PANNEAUX DE BLINDAGE AYANT DES ÉLÉMENTS DE PROTECTION EN FORME DE BANDE

Publication

**EP 2598826 A4 20150422 (EN)**

Application

**EP 11834777 A 20110728**

Priority

- US 84773810 A 20100730
- US 2011045718 W 20110728

Abstract (en)

[origin: US2012024138A1] An armor panel having an impact face is provided. The armor panel includes at least one rigid absorbing layer and a high-tensile confining layer surrounding the at least one rigid absorbing layer. The at least one rigid absorbing layer can have a plurality of strip-shaped protection elements that are adhered to one another along a plane substantially orthogonal to the impact face. The at least one rigid absorbing layer can be formed of a glass-ceramic material having a coefficient of thermal expansion substantially equal to zero and that, upon impact by a projectile, converts to a dilatant power at least in an area of impact.

IPC 8 full level

**F41H 5/02** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP US)

**F41H 5/0421** (2013.01 - EP US); **F41H 5/0435** (2013.01 - EP US); **F41H 5/0492** (2013.01 - EP US)

Citation (search report)

- [Y] WO 2010062298 A1 20100603 - MILLIKEN & CO [US], et al
- [Y] US 2005193667 A1 20050908 - HENRY JAMES JACKSON M [US], et al
- [Y] WO 2009061539 A2 20090514 - UNIV VIRGINIA [US], et al
- [Y] GB 2191275 A 19871209 - ROYAL ORDNANCE PLC
- [Y] EP 2053340 A2 20090429 - KRAUSS MAFFEI WEGMANN GMBH & C [DE]
- See references of WO 2012054117A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2012024138 A1 20120202**; CN 103180685 A 20130626; CN 103180685 B 20150909; EP 2598826 A2 20130605; EP 2598826 A4 20150422; RU 2013108813 A 20140910; WO 2012054117 A2 20120426; WO 2012054117 A3 20120830; WO 2012054117 A9 20120712

DOCDB simple family (application)

**US 84773810 A 20100730**; CN 201180045509 A 20110728; EP 11834777 A 20110728; RU 2013108813 A 20110728; US 2011045718 W 20110728