

Title (en)
ARMOUR

Title (de)
PANZERUNG

Title (fr)
BLINDAGE

Publication
EP 2989411 A4 20160420 (EN)

Application
EP 14787976 A 20140417

Priority
• AU 2013901435 A 20130424
• AU 2014000448 W 20140417

Abstract (en)
[origin: WO2014172744A1] Armour (10) for dissipating energy associated with an impacting projectile, the armour (10) including an impact absorption layer (12) supported by a backing (14), the impact absorption layer including a plurality of macroscopic particles (16) and a plurality of microscopic particles (20) which are substantially encapsulated by an at least partially flexible matrix (18), the microscopic particles (20) and macroscopic particles (16) being arranged to interact with one another such that when at least one of the macroscopic particles (16) is moved during an impact, the movement is at least partially transferred to the microscopic particles (20) thereby assisting to dissipate the impact energy.

IPC 8 full level
F41H 5/04 (2006.01); **F41H 1/02** (2006.01)

CPC (source: EP US)
F41H 1/02 (2013.01 - EP US); **F41H 5/0414** (2013.01 - US); **F41H 5/0442** (2013.01 - US); **F41H 5/0492** (2013.01 - EP US)

Citation (search report)
• [XYI] US 4179979 A 19791225 - COOK RICHARD L [US], et al
• [Y] US 3523057 A 19700804 - BUCK NORMAN R
• [Y] US 7980165 B2 20110719 - MISENICK STEPHEN [US], et al
• [YA] WO 2010053611 A2 20100514 - ARES SYSTEMS GROUP LLC [US], et al
• [AP] US 2014087202 A1 20140327 - WANG JINHUA [CN], et al
• [A] EP 0208499 A1 19870114 - GROVES TREVOR K
• See references of WO 2014172744A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014172744 A1 20141030; AU 2014256839 A1 20150806; AU 2014256839 B2 20180426; EP 2989411 A1 20160302;
EP 2989411 A4 20160420; EP 2989411 B1 20180530; US 2015377593 A1 20151231

DOCDB simple family (application)
AU 2014000448 W 20140417; AU 2014256839 A 20140417; EP 14787976 A 20140417; US 201414765625 A 20140417