

Title (en)

ARMOR HAVING PRISMATIC, TESSELATED CORE

Title (de)

PANZER MIT MOSAIKARTIGEM PRISMENKERN

Title (fr)

ARMURE AYANT UN COEUR PRISMATIQUE EN MOSAÏQUE

Publication

EP 2452153 A1 20120516 (EN)

Application

EP 09847188 A 20091110

Priority

- US 2009063909 W 20091110
- US 2009050005 W 20090709

Abstract (en)

[origin: WO2011005274A1] An armor includes a core that, in turn, includes a first layer of prismatic elements arranged in a tessellated fashion and a second layer of prismatic elements arranged in a tessellated fashion. The first layer of prismatic elements is nested into the second layer of prismatic elements. An armor includes a strike face sheet, a rear face sheet, and a core disposed between the strike face sheet and the rear face sheet. The core includes a first layer of prismatic elements arranged in a tessellated fashion, a second layer of prismatic elements arranged in a tessellated fashion, and a strain isolation layer. The first layer of prismatic elements is nested into the second layer of prismatic elements with the strain isolation layer disposed between the first layer of prismatic elements and the second layer of prismatic elements. The armor is at least one of curved in at least one direction, configured to include a corner, and configured to include a prismatic element of the first layer of prismatic elements or the second layer of prismatic element having a metallic layer disposed thereon.

IPC 8 full level

F41H 5/04 (2006.01)

CPC (source: EP)

F41H 5/0492 (2013.01)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011005274 A1 20110113; EP 2452152 A1 20120516; EP 2452152 A4 20140319; EP 2452153 A1 20120516; EP 2452153 A4 20140319; WO 2011005275 A1 20110113

DOCDB simple family (application)

US 2009063887 W 20091110; EP 09847187 A 20091110; EP 09847188 A 20091110; US 2009063909 W 20091110