

Title (en)  
STRUCTURAL COMPONENT FOR ARMoured VEHICLES

Title (de)  
STRUKTURBAUTEIL FÜR GEPANZERTE FAHRZEUGE

Title (fr)  
COMPOSANT STRUCTUREL POUR VÉHICULES BLINDÉS

Publication  
**EP 2756256 A1 20140723 (DE)**

Application  
**EP 12759413 A 20120910**

Priority  
• DE 102011113520 A 20110915  
• EP 2012067660 W 20120910

Abstract (en)  
[origin: WO2013037738A1] The invention relates to armour plating for armoured land vehicles or watercraft, comprising a base armour plate and an additional armour plate which is fixed thereto on the enemy side such that it can be removed. In particular, a structural component (10) which can be used as a base armour plate for such vehicles, and which comprises a layered structure (20) with a core composite (22) having an inner honeycomb core (25) and at least one covering layer (26) is suggested. According to the invention, said layered structure (20) does not contain supporting metal layers or ceramic, hard material layers. Another essential characteristic of the invention is that of fixture-elements (30) which are anchored in said core composite (22) to allow additional armour plating to be detachably fixed on the enemy side. Said core composite (22) therefore essentially offers basic protection itself while also acting as the carrier structure for interchangeable additional armour plating.

IPC 8 full level  
**F41H 5/013** (2006.01); **F41H 5/02** (2006.01); **F41H 5/04** (2006.01); **F41H 7/04** (2006.01)

CPC (source: EP US)  
**F41H 5/013** (2013.01 - EP US); **F41H 5/023** (2013.01 - EP US); **F41H 5/04** (2013.01 - EP US); **F41H 5/0464** (2013.01 - US);  
**F41H 7/04** (2013.01 - US); **F41H 7/044** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013037738A1

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)  
**WO 2013037738 A1 20130321**; CA 2845786 A1 20130321; CA 2845786 C 20180529; EP 2756256 A1 20140723; EP 2756256 B1 20151230;  
ES 2566130 T3 20160411; US 2014338521 A1 20141120; US 9909844 B2 20180306

DOCDB simple family (application)  
**EP 2012067660 W 20120910**; CA 2845786 A 20120910; EP 12759413 A 20120910; ES 12759413 T 20120910; US 201214344987 A 20120910