

Title (en)
COMPOSITE BALLISTIC PANELS AND METHOD OF USE

Title (de)
BALLISTISCHE VERBUND-PLATTEN UND VERWENDUNGSVERFAHREN

Title (fr)
PANNEAU PARE-BALLES COMPOSITE ET SA MÉTHODE D'UTILISATION

Publication
EP 2156135 B1 20120111 (EN)

Application
EP 07872517 A 20070525

Priority
US 2007012541 W 20070525

Abstract (en)
[origin: WO2008153515A4] A panel had a first face and a second face, including a strike face portion (22) having a first plurality of plies each containing fibers in a matrix material (26). There is a support portion (28) adjacent to the strike face portion (22), the support portion (28) containing a second plurality of plies each having fibers in a matrix material (36). Each ply is bound to an adjacent ply and the first fibers are lower- performing relative to the second fibers. Protection from a ballistic threat may be provided by providing such a panel with the strike face (23) disposed toward the threat. In another aspect, a composite ballistic panel may contain fibers in a thermoplastic matrix material, to the substantial exclusion of thermosetting matrix materials.

IPC 8 full level
F41H 5/04 (2006.01)

CPC (source: EP)
F41H 5/0485 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008153515 A1 20081218; WO 2008153515 A4 20090219; AT E541178 T1 20120115; EP 2156135 A1 20100224; EP 2156135 B1 20120111

DOCDB simple family (application)
US 2007012541 W 20070525; AT 07872517 T 20070525; EP 07872517 A 20070525