Title (en)
  COMPOSITE STRUCTURE

Title (de)
  VERBUNDKONSTRUKTION

Title (fr)
  STRUCTURE COMPOSITE

Publication
  EP 1663642 A2 20060607 (FR)

Application
  EP 04787393 A 20040917

Priority
  • FR 2004002357 W 20040917
  • FR 0311114 A 20030923

Abstract (en)
  [origin: FR2859943A1] Composite structures (CS) comprising at least (C1) a structural layer, (C2) a weight-reducing layer of rigid or semi-rigid foam and possibly (C3) another structural layer, in which the foam in (C2) consists of polyamide-based foam. An independent claim is also included for a method for the production of (CS) which involves assembling the three layers as above or precursors thereof.

IPC 1-7
  B32B 27/34; B32B 5/18

IPC 8 full level
  B32B 5/18 (2006.01); **B32B 27/34** (2006.01)

CPC (source: EP KR US)
  B32B 5/18 (2013.01 - EP KR US); **B32B 15/046** (2013.01 - US); **B32B 15/088** (2013.01 - KR); **B32B 15/18** (2013.01 - US);
  B32B 27/34 (2013.01 - EP KR US); B32B 2266/0257 (2013.01 - US); B32B 2307/718 (2013.01 - US); B32B 2309/105 (2013.01 - US);
  B32B 2605/00 (2013.01 - US); Y10T 428/249953 (2015.04 - EP US)

Citation (search report)
  See references of WO 2005030477A2

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

DOCDB simple family (publication)
  FR 2859943 A1 20050325; **FR 2859943 B1 20070713**; BR PI0414614 A 20061121; CA 2539629 A1 20050407; CN 1871126 A 20061129;
  EP 1663642 A2 20060607; JP 2007505772 A 20070315; KR 100814659 B1 20080318; KR 20060080589 A 20060710;
  RU 2006113609 A 20071110; RU 2344041 C2 20090120; US 2007166526 A1 20070719; WO 2005030477 A2 20050407;
  WO 2005030477 A3 20050609

DOCDB simple family (application)
  FR 0311114 A 20030923; BR PI0414614 A 20040917; CA 2539629 A 20040917; CN 200480030709 A 20040917; EP 04787393 A 20040917;
  FR 2004002357 W 20040917; JP 2006527441 A 20040917; KR 20067007588 A 20060420; RU 2006113609 A 20040917;
  US 57301604 A 20040917