

Title (en)

MANUFACTURE AND USE OF A REINFORCED PROFILE

Title (de)

HERSTELLUNG UND VERWENDUNG EINES VERSTÄRKTEN PROFILS

Title (fr)

FABRICATION ET UTILISATION D'UN PROFIL RENFORCÉ

Publication

**EP 2461960 A1 20120613 (EN)**

Application

**EP 10739943 A 20100805**

Priority

- FR 0903875 A 20090806
- EP 2010061438 W 20100805

Abstract (en)

[origin: WO2011015635A1] Process for manufacturing a reinforced profile (1), comprising (a) manufacturing at least one daughter tape containing a first thermoplastic polymer and long chopped fibres by dispersing the first thermoplastic polymer in powder form over the long chopped fibres positioned in an isotropic manner; applying an AC electric field and heating under pressure; (b) optionally manufacturing a mother tape (3) by superposing and welding at least two daughter tapes obtained in step (a); and (c) manufacturing a reinforced profile using a daughter tape obtained in step (a) or a mother tape (3) obtained in step (b) by extruding a molten second thermoplastic polymer on at least one face of the daughter tape or on at least one face of the mother tape (3). Reinforced profile (1) obtained and use thereof.

IPC 8 full level

**B29B 15/10** (2006.01); **B29C 35/14** (2006.01); **B29C 48/154** (2019.01); **B29C 70/20** (2006.01); **B29C 70/50** (2006.01); **B29C 48/05** (2019.01); **B29C 48/08** (2019.01); **B29C 48/09** (2019.01); **B29C 48/11** (2019.01); **B29C 48/12** (2019.01); **B29C 48/151** (2019.01); **B29C 48/155** (2019.01)

CPC (source: EP US)

**B29B 15/105** (2013.01 - EP US); **B29C 35/14** (2013.01 - EP); **B29C 48/154** (2019.01 - EP); **B29C 70/12** (2013.01 - EP); **B29D 99/0003** (2013.01 - EP US); **E06B 3/221** (2013.01 - EP); **B29C 48/022** (2019.01 - EP); **B29C 48/05** (2019.01 - EP); **B29C 48/08** (2019.01 - EP); **B29C 48/09** (2019.01 - EP); **B29C 48/11** (2019.01 - EP); **B29C 48/12** (2019.01 - EP); **B29C 48/151** (2019.01 - EP); **B29C 48/155** (2019.01 - EP); **B29K 2027/06** (2013.01 - EP); **B29K 2105/06** (2013.01 - EP)

Citation (search report)

See references of WO 2011015635A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**WO 2011015635 A1 20110210**; EP 2461960 A1 20120613; FR 2948895 A1 20110211; FR 2948895 B1 20110909; RU 2012108223 A 20130927

DOCDB simple family (application)

**EP 2010061438 W 20100805**; EP 10739943 A 20100805; FR 0903875 A 20090806; RU 2012108223 A 20100805