

Title (en)

METHOD FOR INJECTING A TANK WALL COMPRISING A LOCALISED REINFORCING LAYER

Title (de)

VERFAHREN ZUR INJEKTION EINER BEHÄLTERWAND MIT EINER LOKALISIERTEN VERSTÄRKUNGSSCHICHT

Title (fr)

PROCÉDÉ D'INJECTION D'UNE PAROI DE RÉSERVOIR COMPRENANT UNE NAPPE DE RENFORT LOCALISÉE

Publication

**EP 3089855 A1 20161109 (FR)**

Application

**EP 14833523 A 20141226**

Priority

- FR 1363678 A 20131230
- FR 2014053563 W 20141226

Abstract (en)

[origin: WO2015101748A1] INERGY AUTOMOTIVE SYMSTEMS RESEARCH (Société Anonyme (limited company)) Title of the invention: A method for injecting a tank wall comprising a localised reinforcing layer. ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION: A method for producing a wall intended, for example, to form the wall of a tank, by pressure injecting a thermoplastic material into an injection mould (13, 4), said wall comprising at least one localised reinforcing layer (30) formed from reinforcing threads coated with a thermoplastic material compatible with the thermoplastic material forming said wall. The reinforcing layer (30) is deposited in the injection mould at a temperature substantially equal to the ambient temperature of a workshop, and the injection temperature of the thermoplastic material forming the wall, the melting temperature of the thermoplastic material coating the reinforcing threads and the thickness of the reinforcing layer are adjusted such that the material coating the reinforcing threads is melted during the injection phase. - Figure 2 -

IPC 8 full level

**B29C 45/14** (2006.01); **B29C 33/12** (2006.01); **B29C 45/00** (2006.01); **B29C 70/70** (2006.01); **B60K 15/03** (2006.01)

CPC (source: EP US)

**B29C 33/123** (2013.01 - EP US); **B29C 45/14073** (2013.01 - EP US); **B29C 45/14336** (2013.01 - US); **B29C 45/14786** (2013.01 - EP US); **B29L 2031/7172** (2013.01 - EP US)

Citation (search report)

See references of WO 2015101748A1

Citation (examination)

US 2010291819 A1 20101118 - KIRCHNER OLAF NORBERT [CH], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015101748 A1 20150709**; CN 105873739 A 20160817; CN 105873739 B 20180814; EP 3089855 A1 20161109; US 2016354957 A1 20161208

DOCDB simple family (application)

**FR 2014053563 W 20141226**; CN 201480071783 A 20141226; EP 14833523 A 20141226; US 201415108956 A 20141226