

Title (en)  
METHOD FOR IMPREGNATING A FIBROUS SUBSTRATE WITH A (METH)ACRYLIC MIXTURE, COMPOSITION OF SAID (METH)ACRYLIC MIXTURE, AND COMPOSITE MATERIAL PRODUCED AFTER POLYMERISATION OF SAID (METH)ACRYLIC MIXTURE

Title (de)  
VERFAHREN ZUM IMPRÄGNIEREN EINES FASERSUBSTRATS MIT EINER (METH)ACRYLMISCHUNG, ZUSAMMENSETZUNG DER (METH)ACRYLMISCHUNG UND NACH DER POLYMERISATION DIESER (METH)ACRYLMISCHUNG HERGESTELLTER VERBUNDSTOFF

Title (fr)  
PROCEDE D'IMPREGNATION D'UN SUBSTRAT FIBREUX AVEC UN MELANGE (METH)ACRYLIQUE, COMPOSITION DUDIT MELANGE (METH)ACRYLIQUE, ET MATERIAU COMPOSITE OBTENU APRES POLYMERISATION DUDIT MELANGE (METH)ACRYLIQUE

Publication  
**EP 3237505 A1 20171101 (FR)**

Application  
**EP 15828360 A 20151222**

Priority  
• FR 1463058 A 20141222  
• FR 2015053711 W 20151222

Abstract (en)  
[origin: CA2971543A1] The invention relates to a method for impregnating a fibrous substrate consisting of long fibres with a liquid (meth)acrylic mixture mainly containing methacrylic and/or acrylic components. The invention also relates to such a (meth)acrylic mixture and the composition thereof, said (meth)acrylic mixture comprising a (meth)acrylic syrup and an aqueous dispersion of a radical initiator. The invention further relates to a method for producing mechanical parts of structured elements or items in a composite material by impregnation of the fibrous substrate with the (meth)acrylic mixture followed by polymerisation of said (meth)acrylic mixture, and to such parts produced according to said production method and used in different fields such as the automobile, aeronautics or construction industries.

IPC 8 full level  
**C03C 25/28** (2006.01); **C03C 25/285** (2018.01); **C08F 4/34** (2006.01); **C08F 265/06** (2006.01); **C08J 5/24** (2006.01); **C08L 33/12** (2006.01); **D06M 13/203** (2006.01); **D06M 15/263** (2006.01)

CPC (source: EP KR US)  
**C03C 25/285** (2013.01 - EP US); **C08F 2/44** (2013.01 - EP KR US); **C08F 4/34** (2013.01 - EP KR US); **C08F 220/14** (2013.01 - EP KR US); **C08F 265/06** (2013.01 - EP KR US); **C08J 5/043** (2013.01 - EP KR US); **C08J 5/244** (2021.05 - EP KR US); **C08K 5/14** (2013.01 - KR); **C08L 33/12** (2013.01 - EP KR US); **C08L 33/14** (2013.01 - EP KR US); **B29C 70/48** (2013.01 - US); **B29K 2033/12** (2013.01 - US); **B29K 2105/0005** (2013.01 - US); **C08J 2333/12** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2016102884A1

Citation (examination)  
WO 2012170866 A1 20121213 - NORAC PHARMA [US], 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)  
**FR 3030585 A1 20160624**; **FR 3030585 B1 20170203**; BR 112017013517 A2 20180306; CA 2971543 A1 20160630; CN 107531977 A 20180102; EP 3237505 A1 20171101; JP 2017538844 A 20171228; KR 20170101264 A 20170905; MX 2017008226 A 20171006; US 2018002503 A1 20180104; WO 2016102884 A1 20160630

DOCDB simple family (application)  
**FR 1463058 A 20141222**; BR 112017013517 A 20151222; CA 2971543 A 20151222; CN 201580076635 A 20151222; EP 15828360 A 20151222; FR 2015053711 W 20151222; JP 2017533432 A 20151222; KR 20177020558 A 20151222; MX 2017008226 A 20151222; US 201515538440 A 20151222