

Title (en)  
SHORT DIAMINE-BASED SEMI-CRYSTALLINE POLYAMIDE COMPOSITION HAVING A HIGH GLASS TRANSITION TEMPERATURE FOR A THERMOPLASTIC MATERIAL, PRODUCTION METHOD THEREOF AND USES OF SAME

Title (de)  
KURZFASERIGE DIAMIN BASIERENDE HALBKRYSTALLINE POLYAMIDZUSAMMENSETZUNG MIT EINER HOHEN GLASÜBERGANGSTEMPERATUR FÜR EIN THERMOPLASTISCHES MATERIAL, HERSTELLUNGSVERFAHREN DAFÜR UND VERWENDUNGEN DAVON

Title (fr)  
COMPOSITION DE POLYAMIDE SEMI-CRISTALLIN DE HAUTE TEMPERATURE DE TRANSITION VITREUSE A BASE DE DIAMINE COURTE POUR MATERIAU THERMOPLASTIQUE, SON PROCEDE DE FABRICATION ET SES UTILISATIONS

Publication  
**EP 3601410 A1 20200205 (FR)**

Application  
**EP 18715789 A 20180323**

Priority  
• FR 1752486 A 20170324  
• FR 1754508 A 20170522  
• FR 2018050711 W 20180323

Abstract (en)  
[origin: WO2018172718A1] The invention relates to a composition for a thermoplastic material, comprising: - 0 to 70 wt.-%, preferably 20 to 60 wt.-%, of short reinforcing fibres, - 30 to 100 wt.-%, preferably 40 to 80 wt.-%, of a thermoplastic matrix based on at least one semi-crystalline polyamide polymer, - 0 to 50 wt.-% of additives and/or other polymers, the semi-crystalline polyamide polymer being: a) a reactive composition comprising or consisting of at least one reactive polyamide prepolymer precursor of the semi-crystalline polyamide polymer, or, as an alternative to a), b) a non-reactive composition of at least one polyamide polymer, the composition being that of the thermoplastic matrix defined above, and the reactive polyamide prepolymer of the composition a) and the polyamide polymer of the composition b) comprising or consisting of at least one BACT/XT copolyamide.

IPC 8 full level  
**C08G 69/26** (2006.01); **C08L 77/06** (2006.01)

CPC (source: CN EP KR US)  
**B29C 45/0005** (2013.01 - CN US); **C08G 69/265** (2013.01 - CN EP KR US); **C08J 5/005** (2013.01 - CN US); **C08K 5/20** (2013.01 - CN KR); **C08K 7/02** (2013.01 - CN EP KR); **C08K 7/14** (2013.01 - CN EP); **C08L 77/00** (2013.01 - CN); **C08L 77/06** (2013.01 - CN US); **C08L 77/10** (2013.01 - KR); **B29K 2077/00** (2013.01 - CN US); **C08J 2377/06** (2013.01 - CN US); **C08L 77/06** (2013.01 - EP); **C08L 2201/00** (2013.01 - KR); **C08L 2203/16** (2013.01 - KR); **C08L 2203/206** (2013.01 - KR); **C08L 2203/30** (2013.01 - KR); **C08L 2205/16** (2013.01 - CN KR US); **C08L 2207/04** (2013.01 - KR)

C-Set (source: CN EP)  
CN  
1. **C08L 77/06 + C08K 7/02**  
2. **C08L 77/06 + C08K 7/14**  
EP  
1. **C08K 7/02 + C08L 77/06**  
2. **C08K 7/14 + C08L 77/06**  
3. **C08L 77/06 + C08L 97/02**

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 2018172718 A1 20180927**; CN 110446740 A 20191112; CN 110446740 B 20220712; CN 115197565 A 20221018; EP 3601410 A1 20200205; EP 3907247 A1 20211110; EP 3907247 B1 20230816; EP 4159792 A1 20230405; FR 3064272 A1 20180928; FR 3064273 A1 20180928; FR 3064273 B1 20210430; JP 2020511578 A 20200416; JP 7364470 B2 20231018; KR 102625372 B1 20240115; KR 20190125343 A 20191106; KR 20240010094 A 20240123; MX 2019011098 A 20191121; US 2020017636 A1 20200116

DOCDB simple family (application)  
**FR 2018050711 W 20180323**; CN 201880018690 A 20180323; CN 202210773924 A 20180323; EP 18715789 A 20180323; EP 21176873 A 20180323; EP 22203547 A 20180323; FR 1752486 A 20170324; FR 1754508 A 20170522; JP 2019551336 A 20180323; KR 20197026698 A 20180323; KR 20247000974 A 20180323; MX 2019011098 A 20180323; US 201816492959 A 20180323