

Title (en)
POLYAMIDE COMPOSITIONS COMPRISING REINFORCING FIBERS AND HAVING HIGH MODULUS STABILITY, AND USES THEREOF

Title (de)
COPOLYAMID-ZUSAMMENSETZUNGEN, DIE VERSTÄRKUNGSFASERN UMFASSEN UND EINEN HOHEN STABILITÄTSMODUL AUFWEISEN, UND VERWENDUNGEN DAVON

Title (fr)
COMPOSITIONS DE POLYAMIDES COMPRENANT DES FIBRES DE RENFORT ET PRÉSENTANT UNE STABILITÉ DE MODULE ÉLEVÉE ET LEURS UTILISATIONS

Publication
EP 4031624 A1 20220727 (FR)

Application
EP 20785812 A 20200916

Priority
• FR 1910309 A 20190919
• FR 2001933 A 20200227
• FR 2020051597 W 20200916

Abstract (en)
[origin: WO2021053292A1] The present invention relates to the use of a mixture of at least one semi-crystalline aliphatic polyamide and at least one amorphous polyamide, wherein the at least one semi-crystalline aliphatic polyamide is obtained by polycondensation: of at least one C6 to C18, preferably C10 to C18, more preferably C10 to C12 amino acid, or at least one C6 to C18, preferably C10 to C18, more preferably C10 to C12 lactam, or at least one C4-C36, preferably C5-C18, preferably C5-C12, more preferably C10-C12 diamine Ca, with at least one C4-C36, preferably C6-C18, preferably C6-C12, more preferably C10-C12 dicarboxylic acid Cb; in order to prepare a semi-crystalline composition, the modulus of which does not vary by more than 25% within the temperature range from 10°C to 40°C.

IPC 8 full level
C08L 77/02 (2006.01); **C08G 69/36** (2006.01)

CPC (source: EP KR US)
C08G 69/36 (2013.01 - KR); **C08J 5/043** (2013.01 - KR); **C08K 7/14** (2013.01 - KR); **C08L 77/02** (2013.01 - EP KR US); **C08L 77/06** (2013.01 - KR); **C08G 69/36** (2013.01 - EP); **C08J 2377/02** (2013.01 - KR); **C08J 2377/06** (2013.01 - KR); **C08L 2205/025** (2013.01 - US); **C08L 2205/06** (2013.01 - US)

Citation (search report)
See references of WO 2021053292A1

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 2021053292 A1 20210325; CN 114729184 A 20220708; EP 4031624 A1 20220727; JP 2022548387 A 20221118; KR 20220066112 A 20220523; US 2022340753 A1 20221027

DOCDB simple family (application)
FR 2020051597 W 20200916; CN 202080078735 A 20200916; EP 20785812 A 20200916; JP 2022517960 A 20200916; KR 20227012502 A 20200916; US 202017642311 A 20200916