

Title (en)
TRANSPARENT MOULDING COMPOSITIONS BASED ON POLYAMIDES, IMPACT MODIFIERS AND SHORT GLASS FIBRES, AND USES THEREOF

Title (de)
TRANSPARENTE FORMMASSEN AUF DER BASIS VON POLYAMIDEN, SCHLAGZÄHIGKEITSMODIFIKATOREN UND KURZEN GLASFASERN UND DEREN VERWENDUNGEN

Title (fr)
COMPOSITIONS DE MOULAGE TRANSPARENTES A BASE DE POLYAMIDES, DE MODIFIANT CHOC ET DE FIBRES DE VERRE COURTES ET LEURS UTILISATIONS

Publication
EP 4247897 A1 20230927 (FR)

Application
EP 21819931 A 20211116

Priority
• FR 2011877 A 20201119
• FR 2021052018 W 20211116

Abstract (en)
[origin: WO2022106776A1] The present invention relates to a transparent moulding composition comprising, by weight (the total being equal to 100%): (A) 35 to 84% polyamide mixture comprising 10 to 95% of at least one semi-crystalline aliphatic polyamide having an average number of carbon atoms relative to the nitrogen atom greater than or equal to 8, and 90 to 5% of at least one amorphous polyamide; (B) more than 10 to 30%, in particular 15 to 30%, of at least one impact modifier; (C) 6 to 20% of short glass fibres; (D) 0 to 10% of at least one prepolymer; (E) 0 to 5%, in particular 0.1 to 5%, of at least one additive chosen from stabilisers, colourants, plasticisers, processing aids or a mixture thereof, the refractive index of each constituent (A), (B), (C) and (D) being between 1,500 and 1,540, the composition being free of PEBA and having a dry modulus measured at 23°C of greater than 1,700 MPa.

IPC 8 full level
C08L 77/02 (2006.01); **C08K 7/14** (2006.01); **C08L 77/06** (2006.01)

CPC (source: EP KR US)
C08K 7/14 (2013.01 - KR US); **C08L 53/02** (2013.01 - KR US); **C08L 77/02** (2013.01 - EP KR US); **C08L 77/06** (2013.01 - EP KR US); **C08L 2201/10** (2013.01 - KR US); **C08L 2203/30** (2013.01 - US); **C08L 2205/025** (2013.01 - US); **C08L 2205/03** (2013.01 - US); **C08L 2207/53** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2022106776A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3116281 A1 20220520; **FR 3116281 B1 20231103**; CN 116438256 A 20230714; EP 4247897 A1 20230927; JP 2023550343 A 20231201; KR 20230107845 A 20230718; US 2024026153 A1 20240125; WO 2022106776 A1 20220527

DOCDB simple family (application)
FR 2011877 A 20201119; CN 202180077706 A 20211116; EP 21819931 A 20211116; FR 2021052018 W 20211116; JP 2023528606 A 20211116; KR 20237020042 A 20211116; US 202118253402 A 20211116