

Title (en)
WATER-DISPERSIBLE COPOLYAMIDE

Title (de)
WASSERDISPERGIERBARES COPOLYAMID

Title (fr)
COPOLYAMIDE HYDRODISPERSIBLE

Publication
EP 4045565 A1 20220824 (FR)

Application
EP 20803628 A 20201016

Priority
• FR 1911710 A 20191018
• FR 2020051853 W 20201016

Abstract (en)
[origin: WO2021074543A1] The invention relates mainly to a water-dispersible copolyamide including at least four distinct polyamide units, in which: at least one of said polyamide units comprises at least one sulphonate group, said polyamide sulphonate unit being present in a content of at least 15% by weight; and at least two of said polyamide units are derived from aliphatic monomers, it being understood that said copolyamide comprises at least 15% by weight of sulphonate monomer and comprises no more than 20% by weight of units derived from caprolactam. The invention also relates to a composition including said water-dispersible copolyamide, particularly in filament form.

IPC 8 full level
C08G 69/42 (2006.01); **B29C 64/106** (2017.01); **B33Y 70/00** (2020.01)

CPC (source: EP KR)
B29C 64/118 (2017.07 - EP KR); **B29C 64/40** (2017.07 - EP KR); **B33Y 10/00** (2014.12 - EP KR); **B33Y 70/00** (2014.12 - EP KR);
C08G 69/42 (2013.01 - EP KR)

Citation (search report)
See references of WO 2021074543A1

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 3102179 A1 20210423; **FR 3102179 B1 20220422**; CN 114729120 A 20220708; EP 4045565 A1 20220824; JP 2022552519 A 20221216;
KR 20220084377 A 20220621; WO 2021074543 A1 20210422

DOCDB simple family (application)
FR 1911710 A 20191018; CN 202080079914 A 20201016; EP 20803628 A 20201016; FR 2020051853 W 20201016;
JP 2022522017 A 20201016; KR 20227016791 A 20201016