

Title (en)
COPOLYMERS HAVING PHOSPHORUS GROUP-CARRYING MONOMERIC UNITS

Title (de)
COPOLYMERE MIT PHOSPHORGRUPPEN-TRAGENDEN MONOMEREINHEITEN

Title (fr)
COPOLYMÈRES PRÉSENTANT DES UNITÉS MONOMÈRES PORTEUSES DE GROUPES PHOSPHORE

Publication
EP 3353130 A1 20180801 (DE)

Application
EP 16775582 A 20160922

Priority
• EP 15186761 A 20150924
• EP 2016072555 W 20160922

Abstract (en)
[origin: WO2017050905A1] The present invention relates to a copolymer, in particular a dispersant for solid particles, in particular a dispersant for mineral binder compositions, comprising a polymer backbone and sidechains bound thereto. Said copolymer comprises at least one phosphorus group-carrying monomeric unit M1 and at least one sidechain-carrying monomeric unit M2, the copolymer having, in a direction along the polymer backbone, a non-random distribution of the monomeric units M1 and/or of the monomeric units M2.

IPC 8 full level
C04B 24/24 (2006.01); **C08F 293/00** (2006.01)

CPC (source: EP US)
C04B 24/246 (2013.01 - EP US); **C08F 293/005** (2013.01 - EP US); **C04B 2103/0061** (2013.01 - EP US); **C04B 2103/0063** (2013.01 - EP US); **C04B 2103/408** (2013.01 - EP US); **C08F 2438/03** (2013.01 - EP US)

Citation (examination)
JP 2013103993 A 20130530 - DAINICHISEIKA COLOR CHEM

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 2017050905 A1 20170330; BR 112018005579 A2 20181002; BR 112018005579 B1 20230110; CN 108025974 A 20180511; CO 2018004244 A2 20180821; EP 3353130 A1 20180801; JP 2018529818 A 20181011; JP 6916170 B2 20210811; MX 2018003601 A 20180801; US 10562999 B2 20200218; US 2018273668 A1 20180927

DOCDB simple family (application)
EP 2016072555 W 20160922; BR 112018005579 A 20160922; CN 201680055527 A 20160922; CO 2018004244 A 20180420; EP 16775582 A 20160922; JP 2018515772 A 20160922; MX 2018003601 A 20160922; US 201615763425 A 20160922