

Title (en)
AQUEOUS POLYMER COMPOSITION

Title (de)
WÄSSRIGE POLYMERZUSAMMENSETZUNG

Title (fr)
COMPOSITION AQUEUSE DE POLYMÈRE

Publication
EP 3559120 A4 20201007 (EN)

Application
EP 17883595 A 20171222

Priority
• AU 2016905320 A 20161222
• AU 2017902804 A 20170717
• AU 2017051457 W 20171222

Abstract (en)
[origin: WO2018112555A1] The present invention relates to a storage stable crosslinkable aqueous polymer composition comprising: (a) an aqueous liquid; (b) a copolymer solubilised in the aqueous liquid by a fugitive non-gas acid, the copolymer comprising polymerised residues of: (i) ethylenically unsaturated monomer comprising a basic functional group that is protonated by the fugitive non-gas acid, the polymerised residues of that monomer being present in an amount of less than 25 mol%, relative to the total number of mols of polymerised monomer residues of the copolymer; (ii) ethylenically unsaturated monomer comprising a functional group for promoting crosslinking of the copolymer; and (iii) hydrophobic ethylenically unsaturated monomer; and (c) (i) a reversibly blocked crosslinking agent for promoting crosslinking of the copolymer, and (ii) a fugitive crosslinking inhibitor for inhibiting crosslinking of the copolymer by the reversibly blocked crosslinking agent.

IPC 8 full level
C08L 101/12 (2006.01); **C08J 3/24** (2006.01); **C08K 3/24** (2006.01); **C08K 5/09** (2006.01); **C08K 5/24** (2006.01); **C08L 33/14** (2006.01); **C08L 101/02** (2006.01); **C09D 133/14** (2006.01); **C09D 201/02** (2006.01); **C09J 201/02** (2006.01)

CPC (source: EP KR)
C08F 8/30 (2013.01 - EP); **C08F 220/14** (2013.01 - EP); **C08F 220/1802** (2020.02 - EP); **C08F 220/286** (2020.02 - EP); **C08F 220/60** (2013.01 - EP); **C08K 3/24** (2013.01 - KR); **C08K 5/09** (2013.01 - KR); **C08K 5/24** (2013.01 - KR); **C08L 101/00** (2013.01 - EP); **C08L 101/025** (2013.01 - EP KR); **C08L 101/08** (2013.01 - KR); **C08L 101/12** (2013.01 - EP); **C09D 133/14** (2013.01 - EP); **C09D 201/02** (2013.01 - EP KR); **C09J 133/14** (2013.01 - EP); **C09J 201/02** (2013.01 - EP KR); **C08K 5/07** (2013.01 - EP)

Citation (search report)
• [A] US 2016186000 A1 20160630 - YANG SHI-JUN [US], et al
• See references of WO 2018112555A1

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

DOCDB simple family (publication)
WO 2018112555 A1 20180628; AU 2017383105 A1 20190620; AU 2017383105 B2 20230112; EP 3559120 A1 20191030; EP 3559120 A4 20201007; JP 2020514451 A 20200521; KR 20190090875 A 20190802; NZ 754070 A 20230127

DOCDB simple family (application)
AU 2017051457 W 20171222; AU 2017383105 A 20171222; EP 17883595 A 20171222; JP 2019534138 A 20171222; KR 20197021534 A 20171222; NZ 75407017 A 20171222