

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 June 2020 (25.06.2020)



(10) International Publication Number
WO 2020/124221 A1

(51) International Patent Classification:

C08F 8/22 (2006.01) C08F 210/12 (2006.01)
C08F 210/10 (2006.01)

(21) International Application Number:

PCT/CA2019/051834

(22) International Filing Date:

17 December 2019 (17.12.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

18215140.7 21 December 2018 (21.12.2018) EP

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,

KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))

(54) Title: CONTINUOUS PROCESS FOR PRODUCING HALOGENATED ISOOLEFIN COPOLYMER

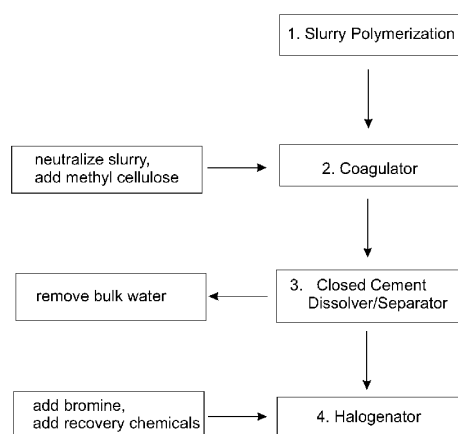


Fig. 1

(57) Abstract: A continuous process for producing a halogenated isoolefin copolymer involves: polymerizing at least one isoolefin monomer and at least one copolymerizable unsaturated monomer in an organic diluent to produce a halogenatable isoolefin copolymer in an organic medium; contacting the organic medium with an aqueous medium comprising an LCST anti-agglomerant compound; removing or partially removing the organic diluent to produce an aqueous slurry of the halogenatable isoolefin copolymer; dissolving the aqueous slurry in an organic solvent in a closed apparatus to form an unsaturated halogenatable copolymer cement in water, and phase separating the water from the cement in the apparatus; contacting the separated halogenatable isoolefin copolymer cement with a halogenating agent and an aqueous solution of a C₁₋₂₀ organic peracid oxidant to form a two-phase reaction medium having an organic phase and an aqueous phase, the organic peracid oxidant capable of converting hydrogen halide to free halogen; and, recovering halogenated isoolefin copolymer.

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