

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 February 2012 (09.02.2012)

PCT

(10) International Publication Number
WO 2012/017019 A1

(51) International Patent Classification:

C08F 283/06 (2006.01) *C08F 4/34* (2006.01)
C08F 290/06 (2006.01) *C08G 18/63* (2006.01)
C08F 2/00 (2006.01)

(21) International Application Number:

PCT/EP2011/063388

(22) International Filing Date:

3 August 2011 (03.08.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10171770.0 3 August 2010 (03.08.2010) EP

(71) Applicant (for all designated States except US): **SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.** [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FENNIS, Paulus Jacobus** [NL/NL]; Grasweg 31, NL-1031 HW Amsterdam (NL). **LELIEVELD, Martinus Johannes Maria** [NL/NL]; Grasweg 31, NL-1031 HW Amsterdam (NL).

(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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, 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: PROCESS FOR PREPARING POLYMER POLYOLS

(57) Abstract: The invention relates to a process for the preparation of a polymer polyol, which process comprises mixing in a reactor vessel a base polyol, one or more ethylenically unsaturated monomers, a polymerization initiator, optionally a macromer, and optionally a chain transfer agent, and polymerizing the mixture thus obtained at a temperature of 50 to 200 °C, wherein the monomer(s) and initiator are dosed simultaneously to the reactor vessel and wherein during the time period of simultaneously dosing the monomer(s) and initiator the dosing weight ratio of initiator to monomer(s) is increased.



WO 2012/017019 A1