



(51) International Patent Classification:

B29C 47/50 (2006.01) **C08F 6/00** (2006.01)
B29C 47/56 (2006.01) **C08L 23/28** (2006.01)
C08C 2/00 (2006.01)

(21) International Application Number:

PCT/EP2011/054415

(22) International Filing Date:

23 March 2011 (23.03.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10003141.8 24 March 2010 (24.03.2010) EP
10157705.4 25 March 2010 (25.03.2010) EP

(71) Applicant (for all designated States except US):
LANXESS International SA [CH/CH]; Route Louis
Braille 12, CH-1763 Granges-Paccot (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIRCHHOFF, Jörg** [DE/DE]; Gerstenkamp 4, 51061 Köln (DE). **BÄCKER, Werner** [DE/DE]; Sassenbach 3, 51688 Wipperfurth (DE). **FELLER, Rolf** [DE/DE]; Klutenscheuer 4c, 40822 Mettmann (DE). **WAGNER, Paul** [DE/DE]; Friedhofstr. 12, 40597 Düsseldorf (DE). **PAUL, Hanns-Ingolf** [DE/DE]; Sünderstr. 20a, 51375 Leverkusen (DE). **LOVEGROVE, John** [CA/CA]; 1264 Lakeshore Road, Sarnia, Ontario N7S 2L4 (CA).

(74) Agent: **DEBLON, Stephan**; c/o LANXESS DEUTSCHLAND GMBH, Gebäude Q18, 51369 Leverkusen (DE).

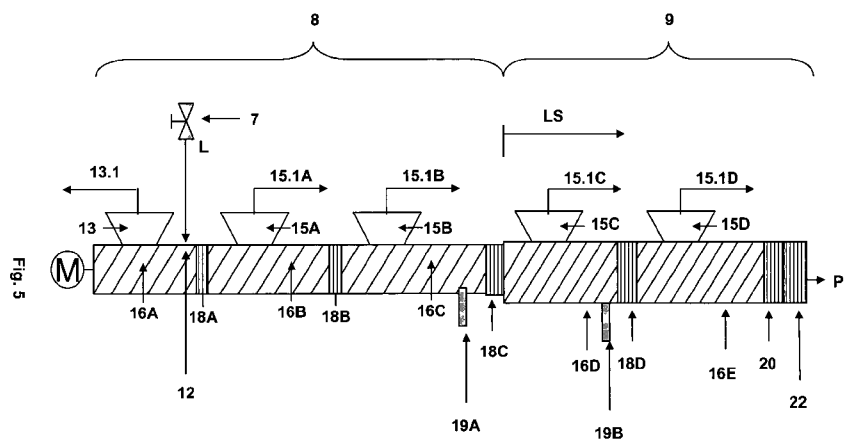
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,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

Published:

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

(54) Title: PROCESS FOR THE PRODUCTION OF WATER AND SOLVENT-FREE POLYMERS



(57) Abstract: The present invention relates to water and solvent-free polymers, in particular water and solvent-free synthetic rubber products like non-halogenated and halogenated butyl rubber products as well as a process for the production thereof. The invention further relates to a device suitable to accomplish said process.