



(51) International Patent Classification:

C08G 63/18 (2006.01) C08G 63/672 (2006.01)
C08G 63/199 (2006.01) C09D 11/00 (2006.01)
C08G 63/42 (2006.01) C09D 11/02 (2006.01)
C08G 63/54 (2006.01) C09D 11/10 (2006.01)

(21) International Application Number:

PCT/EP2012/053615

(22) International Filing Date:

2 March 2012 (02.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11158265.6 15 March 2011 (15.03.2011) EP

(71) Applicant (for all designated States except US): **OCE-TECHNOLOGIES B.V.** [NL/NL]; P.O. 101, St.Urbanusweg 43, NL-5914 CA Venlo (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOFSTRA, Ronald, M., J.** [NL/NL]; Scottstraat 5, NL-5924 XE Venlo (NL).
EVERS, Roy, W., N. [NL/NL]; Akeleihof 84, NL-6043 WS Roermond (NL).

(74) Common Representative: **OCE-TECHNOLOGIES B.V.**; P.O. 101, St.Urbanusweg 43, NL-5914 CA Venlo (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, RW, 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.

[Continued on next page]

(54) Title: BIO-BASED POLYESTER LATEX

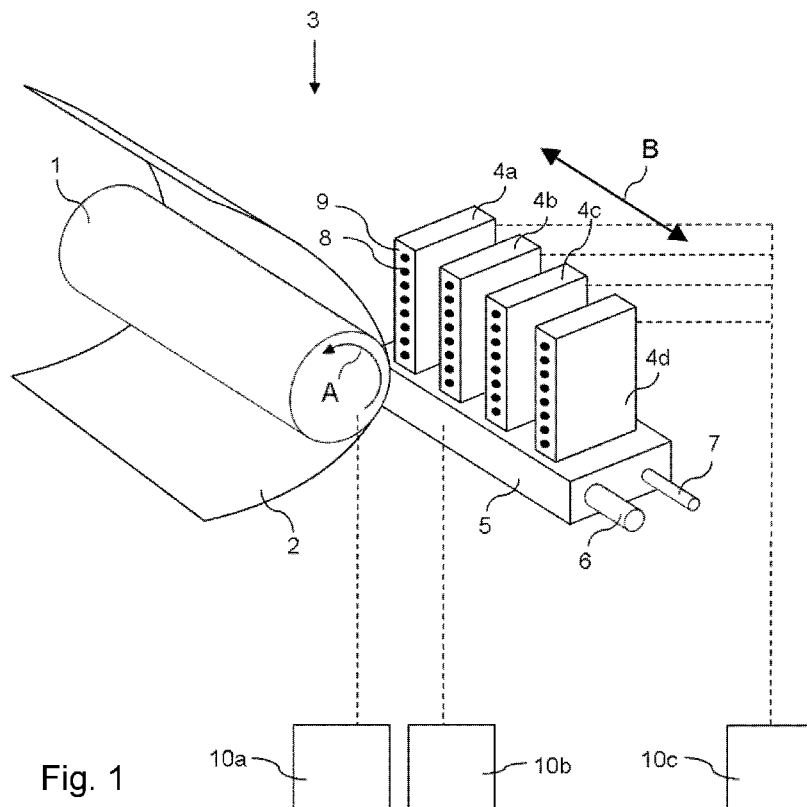


Fig. 1

(57) Abstract: The present invention relates to a copolyester from between 30 and 50 mol % of a first monomer being an isohexide; between 40 and 60 mol % of a second monomer being an aromatic dicarboxylic acid or a cycloaliphatic dicarboxylic acid; and between 1 and 20 mol % of a third monomer being an aliphatic diol, the copolyester having an acid number of between 10 and 50. The invention also relates to a process for preparing such copolyesters, a latex composition comprising such a copolyester, a method for preparing such a latex composition and the use of a particular latex as an (ink-jet) ink.



(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, 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))*