

(43) International Publication Date
1 September 2011 (01.09.2011)

PCT

(10) International Publication Number
WO 2011/103878 A1(51) International Patent Classification:
C08F 2/50 (2006.01)(21) International Application Number:
PCT/DK2011/050055(22) International Filing Date:
23 February 2011 (23.02.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2010 70065 23 February 2010 (23.02.2010) DK
PA 2011 70007 7 January 2011 (07.01.2011) DK(71) Applicant (for all designated States except US): **COLO-PLAST A/S** [DK/DK]; Holtedam 1, DK-3050 Humlebaek (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NIELSEN, Christian B.** [DK/DK]; Birkedommervej 22, 2.tv., DK-2400 Copenhagen NV (DK). **MADSEN, Niels Joergen** [DK/DK]; Forelvej 18, DK-3450 Alleroed (DK). **JOERGENSEN, Christina Maj** [DK/DK]; Moelledalen 24, DK-3400 Hilleroed (DK).

(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: POLYMERIC PHOTOINITIATORS

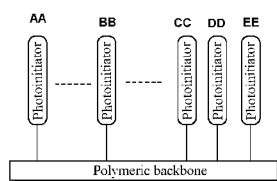
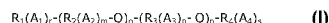


FIG 1

(57) Abstract: A polyalkylether photoinitiator of the general formula I, $R_1(A_1)_n-(R_2(A_2)_m-O)_o-(R_3(A_3)_n-O)_p-R_4(A_4)_s$ I wherein R_1 , R_2 , R_3 , R_4 and m , n , o , p , r and s are as defined herein and A_1 , A_2 , A_3 and A_4 are identical or different photoinitiator moieties.