



(51) International Patent Classification:

C08F 2/50 (2006.01) *A61L 15/58* (2006.01)
C08J 3/28 (2006.01) *A61L 24/04* (2006.01)
C08J 3/075 (2006.01) *C09J 171/00* (2006.01)
C08L 71/02 (2006.01) *C08L 75/08* (2006.01)

(21) International Application Number:

PCT/DK2011/050227

(22) International Filing Date:

22 June 2011 (22.06.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2010 70282 22 June 2010 (22.06.2010) DK
 PA 2011 70285 8 June 2011 (08.06.2011) DK

(71) Applicant (for all designated States except US): **COLOPLAST A/S** [DK/DK]; Høltedam 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 Allerød (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: SKIN-FRIENDLY ADHESIVES FROM POLYALKYLETHER-BASED PHOTOINITIATORS

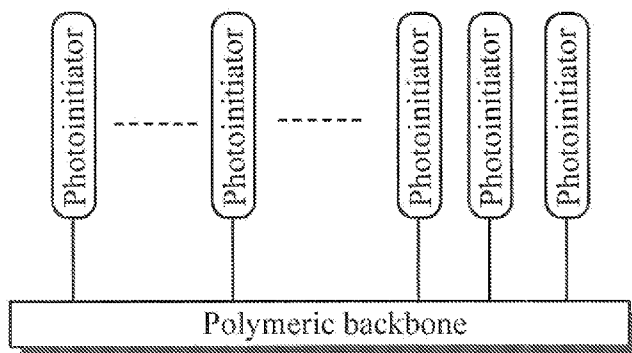


FIG 1

(57) Abstract: The invention provides a method for manufacturing a skin-friendly pressure-sensitive adhesive composition, said method comprising the steps of: a. providing a matrix composition comprising a polymeric photoinitiator of the general formula (I): $R_1(A_1)_r-(R_2(A_2)_m-O)_n-(R_3(A_3)_n-O)_p-R_4(A_4)_s$ (I) and b. curing the matrix composition in step a. by exposing it to UV radiation. The matrix composition may additionally comprise one or more adhesive-forming polymers and/or adhesive-forming monomers, or may simply consist of the polymeric photoinitiator of the general formula I, as defined herein. The invention also relates to the skin-friendly pressure-sensitive adhesive composition obtained by the method of the invention, as well as a medical device comprising said adhesive composition.