



(51) International Patent Classification:

C08G 18/48 (2006.01) **C08G 18/75** (2006.01)
A61Q 19/08 (2006.01) **C09D 175/04** (2006.01)
A61K 8/87 (2006.01) **C08G 18/32** (2006.01)
C08G 18/66 (2006.01) **A61K 9/00** (2006.01)
C08G 18/73 (2006.01) **A61K 9/70** (2006.01)

(21) International Application Number:

PCT/US2015/057084

(22) International Filing Date:

23 October 2015 (23.10.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/073,314 31 October 2014 (31.10.2014) US
 62/220,552 18 September 2015 (18.09.2015) US

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(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, BN, 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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,

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(54) Title: THERMOPLASTIC POLYURETHANE FILM FOR DELIVERY OF ACTIVE AGENTS TO SKIN SURFACES

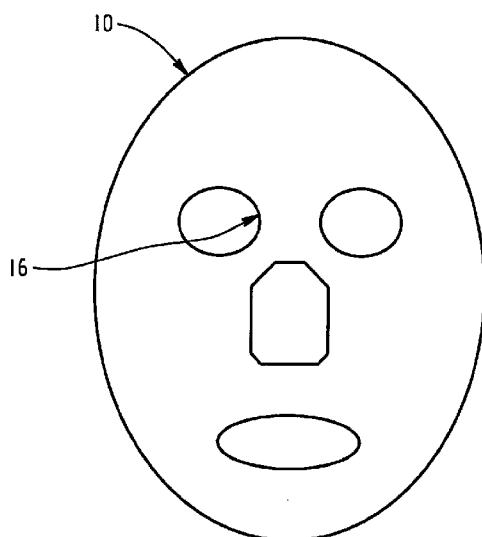


Fig. 1

(57) Abstract: A polymer film suited to use as a face mask or transdermal patch includes at least 30 wt. % of a thermoplastic polyurethane polymer which is the reaction product of a first polyether polyol having a molecular weight of at least 3000 daltons, optionally, a second polyether polyol having a molecular weight of no more than 2500 daltons, at least one of a third polyol having a molecular weight of up to 800 daltons, and a chain extender, a diisocyanate, optionally, a catalyst. The film includes up to 5 wt. % water.



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, KM, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

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

(88) Date of publication of the international search report:

4 August 2016