(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
9 June 2016 (09.06.2016)

WIPO | PCT

(10) International Publication Number
WO 2016/090067 A1

(51) International Patent Classification:
A41D 13/11 (2006.01)

(21) International Application Number:
PCT/US2015/063577

(22) International Filing Date:
3 December 2015 (03.12.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1421617.0 4 December 2014 (04.12.2014) GB

(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).

(72) Inventors: **HENDERSON, Christopher P.**; 3M Centre, Cain Road, Bracknell Berkshire RG12 8HT (GB). **ABDULQADER, Reyad A.**; 3M Centre, Cain Road, Bracknell Berkshire RG12 8HT (GB). **MAY, James J.**; 19 Church Street, Warwick Warwickshire CV34 4AB (GB). **FERNANDES, Mark A. J.**; 19 Church Street, Warwick Warwickshire CV34 4AB (GB). **BOYCE, David N.**; 19 Church Street, Warwick warwickshire CV34 4AB (GB).

(74) Agents: **GOVER, Melanie G.,** et al.; 3M Center, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).

(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, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,

[Continued on next page]

(54) Title: RESPIRATOR TAB

(57) Abstract: A personal respiratory protection device comprising an upper panel (18), a central panel (16), and a lower panel (20), the central panel (16) being separated from each of the upper and lower panels (18) by a first and second fold (36), seam, weld (76) or bond, respectively, such that device is capable of being folded flat for storage along the first and second fold (36), seam, weld (76) or bond and opened to form a cup-shaped air chamber over the nose and mouth of the wearer when in use, wherein the lower panel (20) has a graspable tab (32) attached to an interior portion of an external surface of the lower panel (20), the tab (32) being graspable in use to open the device.

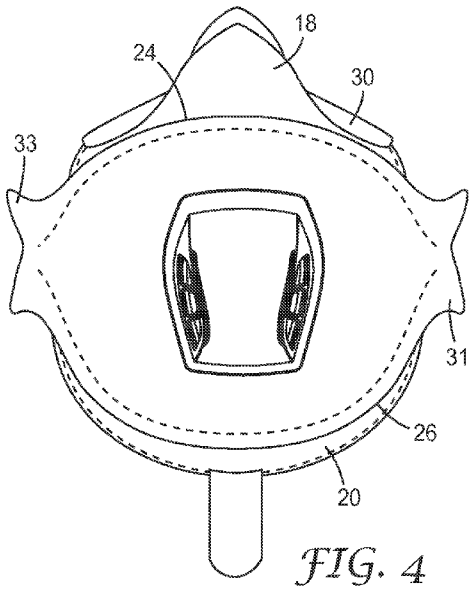


FIG. 4

WO 2016/090067 A1

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).

Published:

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