



(43) International Publication Date
26 November 2015 (26.11.2015)

- (51) International Patent Classification:
A61M 16/20 (2006.01) *F16K 15/14* (2006.01)
- (21) International Application Number:
PCT/IB2015/053666
- (22) International Filing Date:
19 May 2015 (19.05.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
62/000,163 19 May 2014 (19.05.2014) US
- (71) Applicant: FISHER & PAYKEL HEALTHCARE LIMITED [NZ/NZ]; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ).
- (72) Inventors: HUDDART, Brett John; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). SALMON, Andrew Paul Maxwell; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). PEDERSEN, Matthew James; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). ROSE, Hamish Joshua; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). MASHAL, Fadi Karim Moh'd; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). RICHARDSON, Thomas Mark; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). MITTERMEIER, Simon; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ). BETTER-

IDGE, Max Leon; 15 Maurice Paykel Place, East Tamaki, 2013 Auckland (NZ).

(74) Agent: AJ PARK; Level 22, State Insurance Tower, 1 Willis Street, Wellington (NZ).

(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, 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))

(54) Title: PRESSURE CONTROLLED EXHAUST VENT

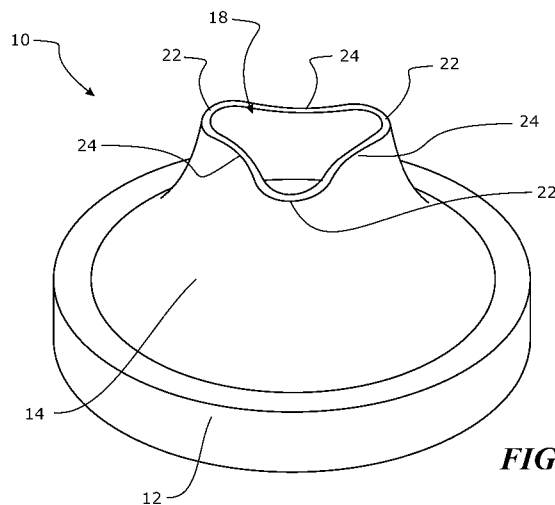


FIGURE 3

(57) Abstract: A patient interface includes a mask body, an elbow, a connector and a conduit. Any one or more of the mask body, the elbow, the connector and the conduit includes a bias flow vent. The bias flow vent is configured to deform with the application of pressure but not fully collapse such that an orifice size defined by the bias flow vent can vary with the application of pressure.

