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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 December 2015 (23.12.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/193833 A3

(51) International Patent Classification:
A61M 16/06 (2006.01) *A61M 16/08* (2006.01)

(21) International Application Number:
PCT/IB2015/054585

(22) International Filing Date:
18 June 2015 (18.06.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

62/013,912	18 June 2014 (18.06.2014)	US
62/013,957	18 June 2014 (18.06.2014)	US
62/054,846	24 September 2014 (24.09.2014)	US
62/096,028	23 December 2014 (23.12.2014)	US
62/096,073	23 December 2014 (23.12.2014)	US
62/096,404	23 December 2014 (23.12.2014)	US
62/096,414	23 December 2014 (23.12.2014)	US
62/110,146	30 January 2015 (30.01.2015)	US

(71) Applicant: **FISHER & PAYKEL HEALTHCARE LIMITED** [NZ/NZ]; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ).

(72) Inventors: **PEACOCK, Mathew Ian**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **GULLIVER, Laurence**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **KLENNER, Jason Allan**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **LAING, Brent Ian**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **CLARKSON, Sooji Hope**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **O'CONNOR, Mark Thomas**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **ASSI, Milanjot Singh**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **MOYLE, Aidan James**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **DRAIN, Andrew Rolf**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **ENSLIN, Christi Nicol**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **CURTIS, Olivia Grace**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (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.

[Continued on next page]

(54) Title: PATIENT INTERFACE AND COMPONENT PARTS

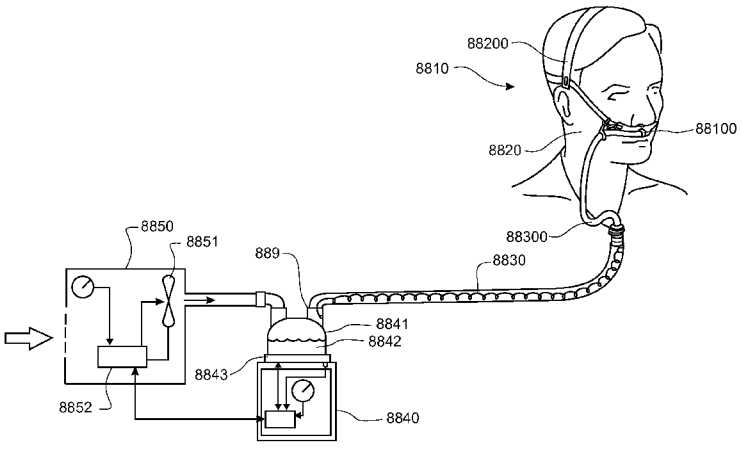


FIGURE 1A

(57) Abstract: This invention relates to a patient interface and component parts which may be integrated or form a part of an assembled interface for use by a user. In various embodiments, the component parts may include: a component may be provided as a clip for supporting a gas supply tube to the interface; a buckle may be provided at an end of a headgear strap for releasable attachment to the interface; a manifold part of a patient interface may be attachable to the interface in a manner allowing for adjustment or re-orientation such that an associated gas supply conduit is re¬ routed to be to a left- or a right-side of the interface (or user); one or a pair of support side arms of the interface may be configured to be twisted or bent so as to more comfortably accommodate the shape of a user's face upon which they are to be located in use; parts of a manifold at the connection of a gas supply tube to the interface may be configured to be of a multi-part manifold assembly.

WO 2015/193833 A3

(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))*

— *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))*

(88) **Date of publication of the international search report**:
17 March 2016