

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 November 2022 (10.11.2022)



(10) International Publication Number
WO 2022/234496 A1

(51) International Patent Classification:

A61M 16/08 (2006.01) *A61M 16/00* (2006.01)
A61M 16/16 (2006.01) *A61M 16/10* (2006.01)
A61M 16/20 (2006.01) *G06F 8/65* (2018.01)

(21) International Application Number:

PCT/IB2022/054141

(22) International Filing Date:

05 May 2022 (05.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/184,695 05 May 2021 (05.05.2021) US
63/362,188 30 March 2022 (30.03.2022) US

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

(72) Inventors: **RUSSELL, David Martin**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **SANSON, Samuel Carey Mathew**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ).

ki, Auckland, 2013 (NZ). **BURGESS, Russel William**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ). **HUANG, Yi Lin**; 15 Maurice Paykel Place, East Tamaki, Auckland, 2013 (NZ).

(74) Agent: **FLINT INTELLECTUAL PROPERTY**; PO Box 11058, Ellerslie, Auckland, 1542 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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,

(54) Title: BREATHING ASSISTANCE APPARATUSES AND/OR COMPONENTS THEREOF AND/OR USES THEREOF

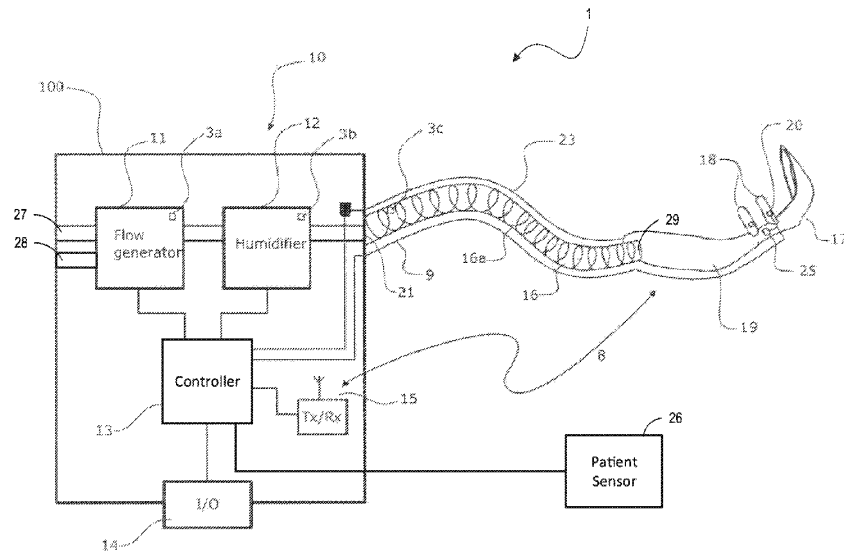


Figure 1

(57) Abstract: Disclosed is an apparatus configured to operate in at least one therapy mode and at least one non-therapy mode. After a predetermined time operating in the at least one non-therapy mode, the apparatus is configured to: transmit the data to a device, and/or receive a software package from a or the device, and/or receive therapy parameters from a or the device, and/or update parameters of the apparatus.

[Continued on next page]

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))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE