

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
18 June 2020 (18.06.2020)



(10) International Publication Number
WO 2020/120930 A1

- (51) International Patent Classification:
A62B 18/08 (2006.01)
- (21) International Application Number:
PCT/GB2019/053117
- (22) International Filing Date:
04 November 2019 (04.11.2019)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
1820250.7 12 December 2018 (12.12.2018) GB
- (71) Applicant: **DYSON TECHNOLOGY LIMITED**
[GB/GB]; Tetbury Hill, Malmesbury Wiltshire SN16 0RP (GB).
- (72) Inventor: **MOONE, George**; c/o Dyson Technology Limited, Tetbury Hill, Malmesbury Wiltshire SN16 0RP (GB).
- (74) Agent: **CHAPMAN, Alan** et al.; Intellectual Property Department, Dyson Technology Limited, Tetbury Hill, Malmesbury Wiltshire SN16 0RP (GB).
- (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, IR, IS, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: AIR TREATMENT APPARATUS

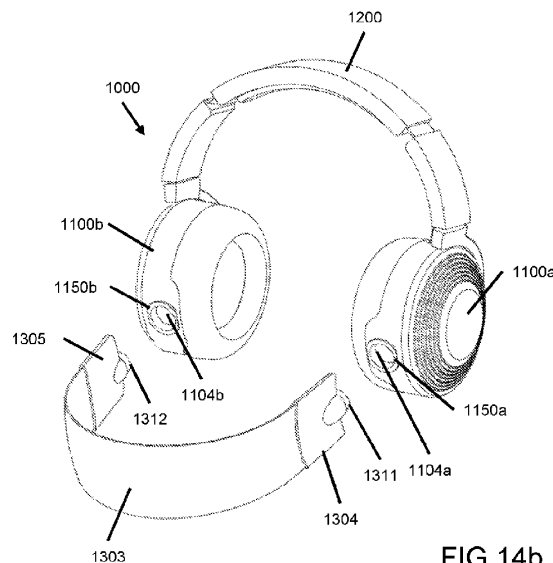


FIG. 14b

(57) **Abstract:** There is provided an air treatment apparatus comprising a head wearable air purifier (1000). The head wearable air purifier (1000) comprises a first speaker assembly (1100a) arranged to be worn over a first ear of a user and a second speaker assembly (1100b) arranged to be worn over a second ear of the user. The first speaker assembly (1100a) comprises a speaker (1105), a filter assembly (1107), an air flow generator (1109) for creating an airflow through the filter assembly (1107), and an air outlet (1104) downstream from the filter assembly (1107) for emitting a filtered airflow from the first speaker assembly (1100a). The head wearable air purifier (1000) further comprises a nozzle (1300) comprising an air inlet arranged to receive the filtered airflow from the air outlet (1104) of the first speaker assembly (1100a) and an air outlet arranged to emit the received filtered airflow from the head wearable air purifier (1000), the nozzle (1300) being detachably coupled to the first speaker assembly (1100a) by a magnetic attachment.

WO 2020/120930 A1

[Continued on next page]

(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))