

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 December 2021 (09.12.2021)



(10) International Publication Number
WO 2021/244981 A1

(51) International Patent Classification:

A61L 2/14 (2006.01) H05H 1/46 (2006.01)
A61L 2/22 (2006.01)

(21) International Application Number:

PCT/EP2021/064411

(22) International Filing Date:

28 May 2021 (28.05.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2008156.8 01 June 2020 (01.06.2020) GB

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(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, IT, 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,

(54) Title: STERILISATION APPARATUS FOR PRODUCING PLASMA AND HYDROXYL RADICALS

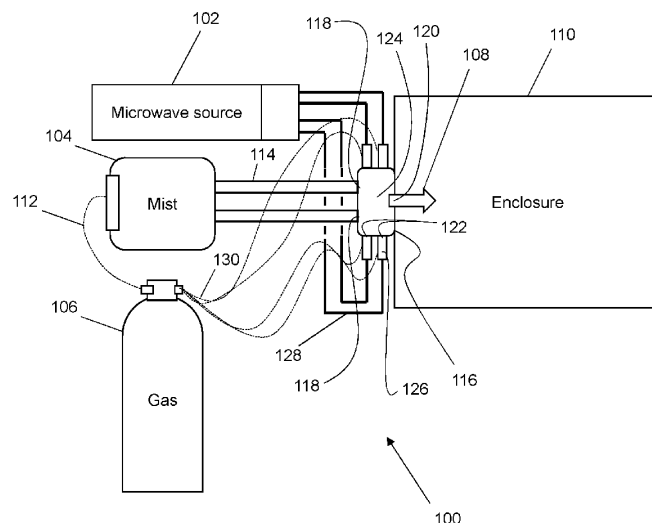


FIG. 1

(57) Abstract: The invention relates to sterilisation systems suitable for clinical use, e.g. on the human body, medical apparatuses, or hospital bed spaces. The invention provides a sterilisation apparatus comprising: a microwave source arranged to generate microwave energy; a mist generator arranged to generate a flow of water mist; a gas supply; a manifold connected to receive the flow of water mist from the mist generator; and a plurality of plasma applicators connected to the manifold, wherein each plasma applicator is connected to receive microwave energy from the microwave source and a flow of gas from the gas supply, wherein each plasma applicator is configured to strike a plasma at a distal end thereof, wherein the distal ends of the plurality of plasma applicators are disposed in a plasma generating region defined by the manifold, and wherein the manifold is configured to direct the flow of water mist through the plasma generating region to an outlet thereof.

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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, 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).

Declarations under Rule 4.17:

- *of inventorship (Rule 4.17(iv))*

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))*