



- (51) **International Patent Classification:**
A61L 2/14 (2006.01) *A61L 2/02* (2006.01)
- (21) **International Application Number:**
PCT/US2008/084378
- (22) **International Filing Date:**
21 November 2008 (21.11.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
60/989,496 21 November 2007 (21.11.2007) US
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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, BR, BW, BY, BZ, CA, CH, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

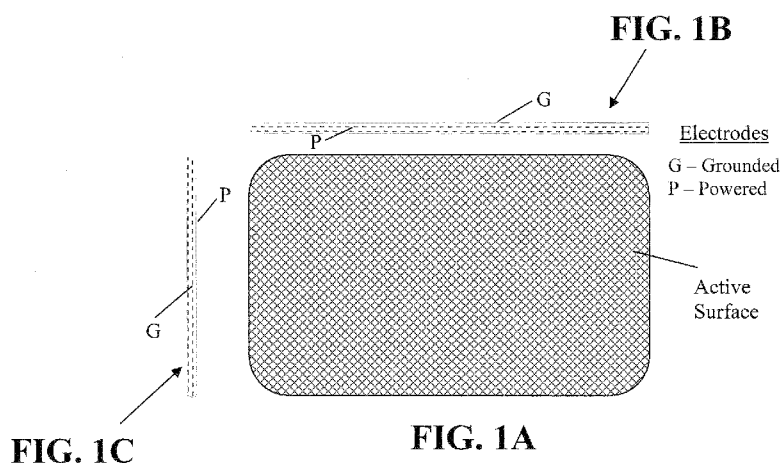
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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:**
27 August 2009

(54) **Title:** SELF-STERILIZING DEVICE USING PLASMA FIELDS



(57) **Abstract:** Embodiments of the invention relate to a method and apparatus for self-sterilizing a surface or other portion of the apparatus and/or sterilizing other objects. Embodiments can utilize self-generated and/or remotely controlled plasma fields for the purpose of self-sterilization and/or sterilization of another object. Embodiments of the invention can have broad applications in procedures and equipment requiring the sterility of devices used for medical procedures, decontamination procedures, drug delivery, sterility of consumer products, and sterility of food preparation equipment and tools.