



(51) International Patent Classification:

B03C 3/38 (2006.01) **H03K 7/00** (2006.01)
H01T 23/00 (2006.01)

(21) International Application Number:

PCT/SG2009/000278

(22) International Filing Date:

11 August 2009 (11.08.2009)

(25) Filing Language:

English

(26) Publication Language:

English

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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, 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, 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, PE, 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, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: AIR IONIZER ELECTRODE DRIVE CIRCUIT AND METHOD

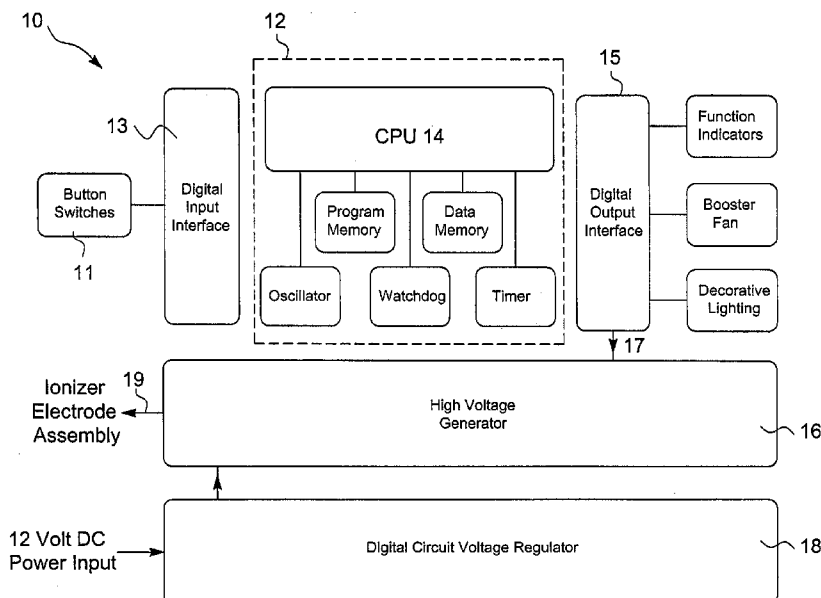


Fig. 1

(57) Abstract: An air ionizer electrode drive circuit and method in which an AC high voltage of predetermined constant amplitude is output by a high voltage generator (16) for application to the ionizer electrodes. The level of ions produced is then controlled by the ion production time using a controller (12) that switches the voltage generator on and off in a repeating manner. The duty cycle, i.e. on-off ratio, at which the voltage generator operates then determines the average ion production rate. This method allows control of the ion production level from 0 to 100% of the range.



Published:

— *with international search report (Art. 21(3))*