

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
18 February 2021 (18.02.2021)



(10) International Publication Number
WO 2021/030453 A9

(51) International Patent Classification:
H01J 37/32 (2006.01)

(21) International Application Number:
PCT/US2020/045955

(22) International Filing Date:
12 August 2020 (12.08.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/886,279 13 August 2019 (13.08.2019) US
16/986,680 06 August 2020 (06.08.2020) 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, 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,

(54) Title: METHOD AND APPARATUS TO ENHANCE SHEATH FORMATION, EVOLUTION AND PULSE TO PULSE STABILITY IN RF POWERED PLASMA APPLICATIONS

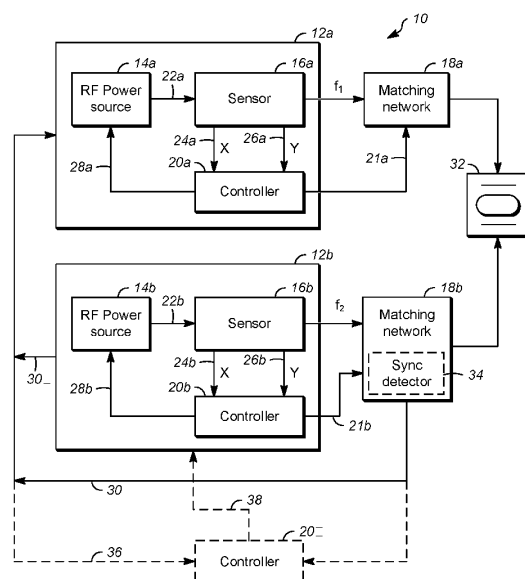


FIG. 1

(57) Abstract: A radio frequency (RF) generator is configured to generate a RF signal. The RF signal can be modulated by a pulse having one or multiple states. During an initial state at pulse initiation, the RF generator adjusts the impedance match by selecting the frequency of the RF signal. During a second state of the pulse, the RF generator adjusts the impedance match using a matching network. The first state includes controlling the RF generator to output a power burst, and the second state includes controlling the generator to output an operating power.

[Continued on next page]

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, 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))*

(48) Date of publication of this corrected version:

15 April 2021 (15.04.2021)

(15) Information about Correction:

see Notice of 15 April 2021 (15.04.2021)