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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
09 October 2025 (09.10.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/212290 A1

(51) International Patent Classification:
H01J 37/32 (2006.01) *H01L 21/67* (2006.01)

(21) International Application Number:
PCT/US2025/020868

(22) International Filing Date:
21 March 2025 (21.03.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
18/624,990 02 April 2024 (02.04.2024) 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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

(54) Title: DYNAMIC FREQUENCY TUNING FOR MICROWAVE POWER AMPLIFIERS

(57) Abstract: In some aspects, the embodiments described herein relate to a method for tuning a frequency of microwave power delivered to a chamber, including striking a plasma in the chamber. Embodiments may further comprise scanning the frequency from a first frequency to a second frequency, where a set point frequency in a range from the first frequency to the second frequency has a lowest reflected power. In an embodiment, the method further includes setting the frequency of the microwave power delivered to the chamber to the set point frequency. The method may further include changing the set point frequency when a measure of reflected power exceeds a threshold.

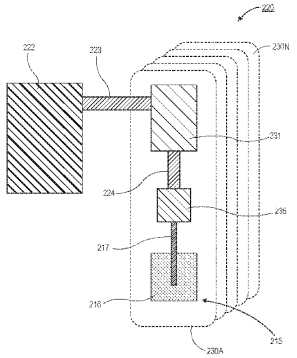


FIG. 2

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