

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 April 2009 (16.04.2009)

PCT

(10) International Publication Number
WO 2009/048517 A3

(51) International Patent Classification:

H01L 21/66 (2006.01)

(21) International Application Number:

PCT/US2008/011319

(22) International Filing Date:

30 September 2008 (30.09.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/978,082	5 October 2007 (05.10.2007)	US
60/978,085	5 October 2007 (05.10.2007)	US
60/978,087	5 October 2007 (05.10.2007)	US
60/978,089	5 October 2007 (05.10.2007)	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.

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(54) Title: APPARATUS FOR MEASURING DIELECTRIC PROPERTIES OF PARTS

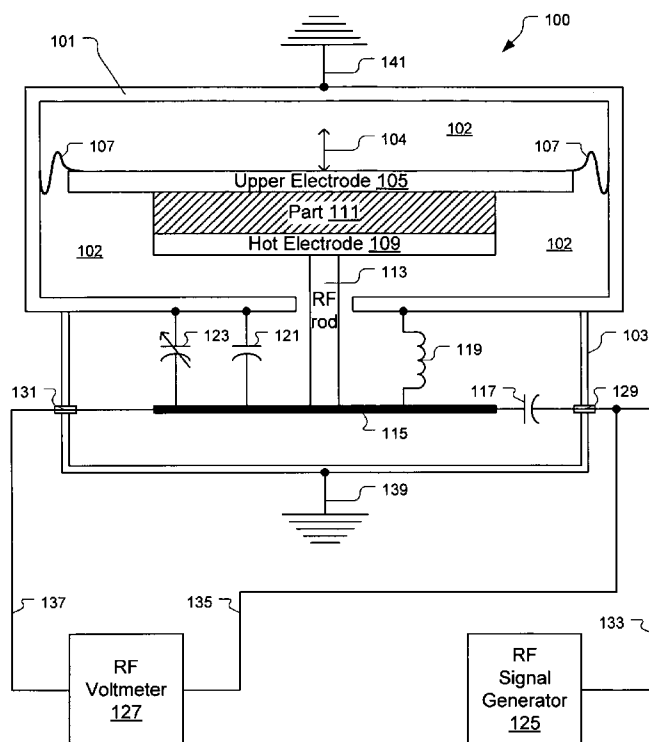


Fig. 1

(57) Abstract: A chamber formed from an electrically conductive material is connected to a ground potential. A hot electrode formed from an electrically conductive material is disposed within the chamber in a substantially horizontal orientation and is physically separated from the chamber. The hot electrode includes a top surface defined to support a part to be measured. A radiofrequency (RF) transmission rod is connected to extend from a bottom surface of the hot electrode through an opening in a bottom of the chamber and be physically separated from the chamber. The RF transmission rod is defined to transmit RF power from a conductor plate in an electrical components housing to the hot electrode. An upper electrode formed from an electrically conductive material is disposed within the chamber in a substantially horizontal orientation. The upper electrode is electrically connected to the chamber and is defined to be movable in a vertical direction.



(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*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

18 June 2009