



(51) International Patent Classification:

H01L 21/687 (2006.01) *B23Q 3/15* (2006.01)
H01L 21/68 (2006.01) *H02N 13/00* (2006.01)

(21) International Application Number:

PCT/US2010/061348

(22) International Filing Date:

20 December 2010 (20.12.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/648,638 29 December 2009 (29.12.2009) 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, 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, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,

[Continued on next page]

(54) Title: ELECTROSTATIC CHUCKS AND METHODS FOR REFURBISHING SAME

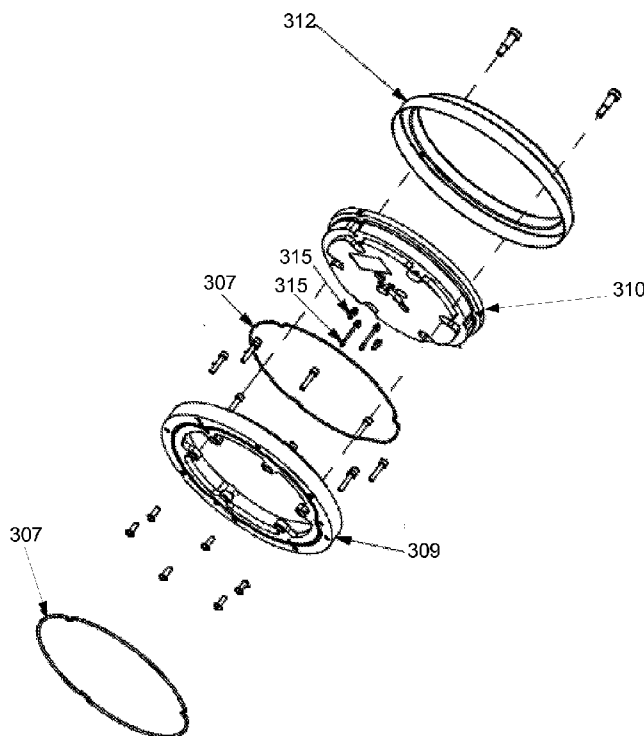


FIG. 3

(57) Abstract: Novel methods for extending electrostatic chuck lifetimes are provided. The methods involve providing a chuck having a metal cooling plate attached to a ceramic top plate via indium bonding, and after a period of use, disassembling the chuck, and providing a new chuck including the used metal cooling plate. In certain embodiments, the use of indium as a bond material uniquely allows the described disassembly and reassembly without damage to other parts of the chuck.



ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

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