

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 October 2013 (10.10.2013)



(10) International Publication Number
WO 2013/151804 A8

(51) International Patent Classification:
H01L 21/50 (2006.01)

(21) International Application Number:
PCT/US2013/033436

(22) International Filing Date:
22 March 2013 (22.03.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/439,491 4 April 2012 (04.04.2012) US

(71) Applicant: **LAM RESEARCH CORPORATION**
[US/US]; 4650 Cushing Parkway, Fremont, California
94538-6470 (US).

(72) Inventor: **NEWTON, Neal**; 1452 Maria Way, San Jose,
California 95117 (US).

(74) Agent: **SKIFF, Peter K.**; Buchanan Ingersoll & Rooney
PC, Customer No. 21839, P. O. Box 1404, Alexandria,
Virginia 22313-1404 (US).

(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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,
RW, 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, RW, SD, SL, 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,
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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

[Continued on next page]

(54) Title: INSTALLATION FIXTURE FOR ELASTOMER BANDS AND METHODS OF USING THE SAME

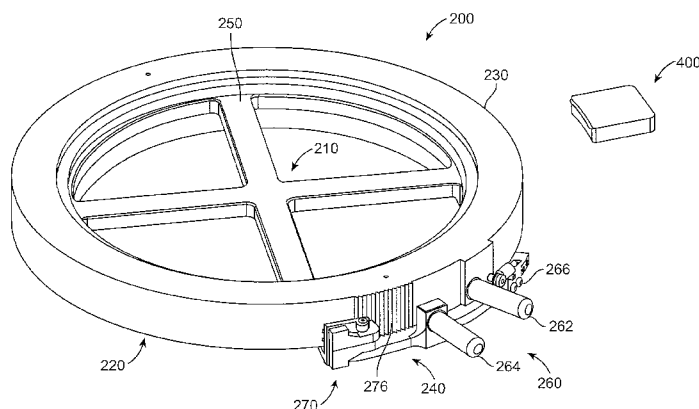


FIG. 3

(57) Abstract: A method of installing an elastomer band as a protective edge seal around a portion of a semiconductor substrate support used for supporting a semiconductor substrate in a plasma processing chamber, which includes expanding an elastomer band into a circular shape having a diameter greater than a diameter of a mounting groove within the substrate support; clamping the elastomer band in the expanded shape between a base ring and a clamp ring; placing the elastomer band over the substrate support in the expanded shape; and releasing the elastomer band from between the base and clamp rings, which contracts the elastomer band into the mounting groove of the substrate support.

WO 2013/151804 A8



(48) Date of publication of this corrected version:

19 December 2013

(15) Information about Correction:

see Notice of 19 December 2013