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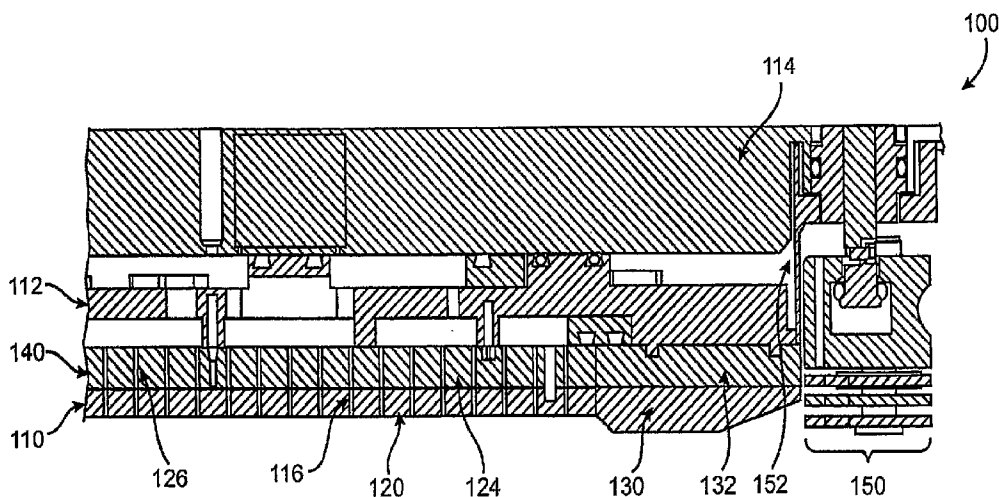
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: SEALED ELASTOMER BONDED SI ELECTRODES AND THE LIKE FOR REDUCED PARTICLE CONTAMINATION IN DIELECTRIC ETCH



(57) Abstract: An electrode assembly for a plasma reaction chamber used in semiconductor substrate processing having a backing member having a bonding surface, an inner electrode having a lower surface on one side and a bonding surface on the other side, and an outer electrode having a lower surface on one side and a bonding surface on the other side. At least one of the electrodes has a flange, which extends underneath at least a portion of the lower surface of the other electrode.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - H01L 21/302; H01L 21/461 (2007.01)
 USPC - 438/689
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 USPC - 438/689

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 USPC - 438/8, 9, 118, 406, 455, 709, 710 (text search - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Electronic database searched: USPTO WEST (PGPUB, USPT, EPAB, JPAB), Thomson dialog, Google.
 Search Terms used: outer electrode, bonding surface, flange, electrode adj assem\$, outer electrode, backing member, chamber, bonding or surface.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2002/0127853 A1 (HUBACEK et al.) 12 September 2002 (12.09.2002) entire document especially para [0030]-[0038]; [0047]-[0049]	1-15 and 18-21 ----- 16-17
Y	US 5,238,499 A (VAN DE VEN et al.) 24 August 1993 (24.08.1993) col 4, ln 48-59	16-17

Further documents are listed in the continuation of Box C.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search 04 August 2007 (04.08.2007)	Date of mailing of the international search report 13 FEB 2008
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