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(71) Applicant (for all designated States except US): **TOKYO ELECTRON LIMITED** [JP/JP]; TBS Broadcast Center, 3-6, Akasak 5-chome, Minato-ku, Tokyo 107 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAMELIN, Thomas** [US/US]; 91 Central Street, Georgetown, MA 018333 (US). **WALLACE, Jay** [US/US]; 38 Chase Street, Danvers, MA 01923 (US). **LAFLAMME, Arthur, H., Jr.** [US/US]; 15 Kittery Avenue, Rowley, MA 01969 (US).

(74) Agents: **LAZAR, Dale, S.** et al.; Pillsbury Winthrop LLP, P.O. Box 10500, McLean, VA 22102 (US).

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(54) Title: PROCESSING SYSTEM AND METHOD FOR CHEMICALLY TREATING A SUBSTRATE

(57) Abstract: A processing system and method for chemically treating a substrate, wherein the processing system comprises a temperature controlled chemical treatment chamber, and an independently temperature controlled substrate holder for supporting a substrate for chemical treatment. The substrate holder is thermally insulated from the chemical treatment chamber. The substrate is exposed to a gaseous chemistry, without plasma, under controlled conditions including wall temperature, surface temperature and gas pressure. The chemical treatment of the substrate chemically alters exposed surfaces on the substrate.



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INTERNATIONAL SEARCH REPORT

national Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/00 H01L21/673 C23C16/458

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)
IPC 7 H01L C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 730 803 A (STEGER ROBERT ET AL) 24 March 1998 (1998-03-24) column 4, line 37 - line 46 figure 3a column 6, line 31 - line 59 the whole document	1-38
X	WO 01/22471 A (KENNEDY WILLIAM S ; LAM RES CORP (US); HUBACEK JEROME S (US); MARASCHI) 29 March 2001 (2001-03-29) page 4 - page 5 claim 1 the whole document	1-38
A	US 2001/046768 A1 (MEZEY JAMES J) 29 November 2001 (2001-11-29) paragraph '0036! paragraph '0041! - paragraph '0046! the whole document	1, 18

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bader, K

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Information on patent family members

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