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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

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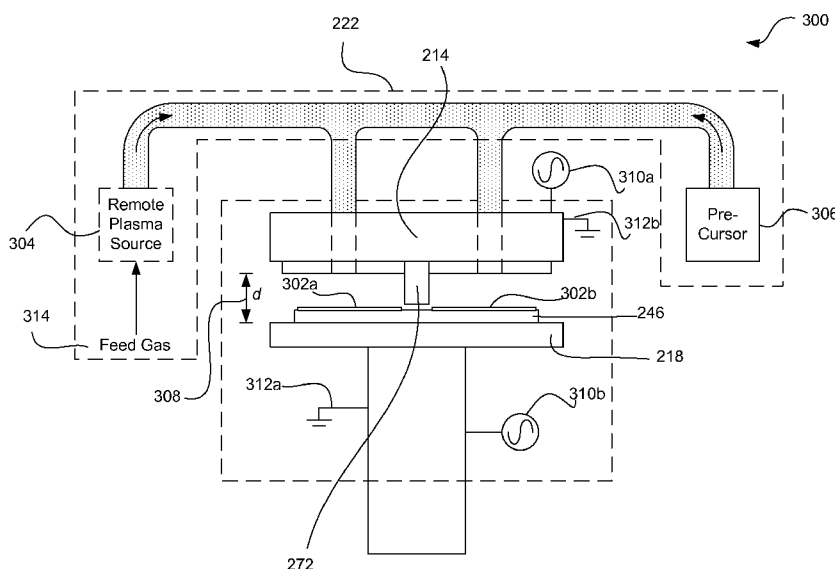


FIG. 3

(57) Abstract: Combinatorial plasma enhanced deposition techniques are described, including designating multiple regions of a substrate, providing a precursor to at least a first region of the multiple regions, and providing a plasma to the first region to deposit a first material on the first region formed using the first precursor, wherein the first material is different from a second material formed on a second region of the substrate.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/042611**A. CLASSIFICATION OF SUBJECT MATTER***H01L 21/205(2006.01)i*

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)

H01L; C23C; H05H

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

Korean utility models and applications for utility models since 1975.
Japanese utility models and applications for utility models since 1975.

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

eKOMPASS(KIPO internal) & Keywords: "ALD, plasma"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0177579 A1 (SHIN et al.) 10 August 2006 See abstract; figures 1-12; paragraphs [0060]-[0096]; claim 1	1-24
A	KR 10-0249386 B1 (HYUNDAI MICRO ELECTRONICS CO., LTD.) 24 December 1999 See abstract; page 2, claim 1; figures 1 & 2	1-24
A	JP 2005-303330 A (HITACHI LTD.) 27 October 2005 See abstract; figures 1-3; claims 2 & 3	1-24

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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KR 10-0249386 B1	24.12.1999	None	
JP 2005-303330 A	27.10.2005	None	