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(54) Title: CHEMICAL MECHANICAL PLANARIZATION OF METAL SUBSTRATES

(57) Abstract: A method of polishing a wafer in a carrier with a polishing pad by controlling a ratio of platen speed to carrier speed (PS to CS) within a specific range, or by controlling a first polishing step with a ratio of PS to CS in the range of about 150:1 to about 1:150 followed by a second polishing step with a platen speed of about 0 to 20 rpm while maintaining the carrier speed used in the first polishing step, which maximizes clearing of residual material removed from a patterned wafer surface by polishing.

INTERNATIONAL SEARCH REPORT

International Application No

PC1/US 01/25038

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B24B1/00 B24B37/04 C09G1/02

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 B24B C09G

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 64527 A (RODEL HOLDINGS INC) 16 December 1999 (1999-12-16)	1,2,4,8, 9
Y	page 9, line 25 -page 10, line 9 ---	3,5-7
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A	EP 0 373 501 A (MITSUBISHI MONSANTO CHEM) 20 June 1990 (1990-06-20) page 4, line 4 - line 15 --- -/--	8



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Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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