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(54) Title: PROCESS SEQUENCE FOR PHOTORESIST STRIPPING AND/OR CLEANING OF PHOTOMASKS FOR INTE-
GRATED CIRCUIT MANUFACTURING

(57) Abstract: A method and system for cleaning and/or stripping photoresist from photomasks used in integrated circuit manu-
facturing comprising a process and means of introducing a mixture of sulfuric acid and ozone (or a mixture of sulfuric acid and
hydrogen peroxide) to the surface of a photomask while applying megasonic energy. The invention also comprises method and
system comprising a process and means of introducing ozonated deionized water and/or a low temperature dilute aqueous solution
(dAPM) to the surface of photomasks while applying megasonic energy. The process and apparatus also remove post plasma ashed
residues and other contaminants from photomask surfaces.

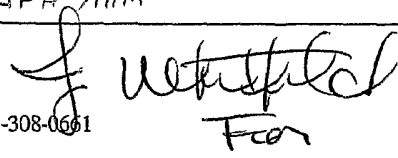


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B. FIELDS SEARCHED		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0157686 A1 (Kenny et al.) 31 Oct. 2002, paragraphs [0015,0018,0019,0038,0039,0041,0047- 0049,0054,0055,0056,0061,0064,0087,0088,0099,0117,0120,0129,0130,0142-0144]	1-4, 11-13, 16-25
E	US 2004/0221877 (Bergman) 11-2004, whole reference	1-25
A	US 2003/0045098 (Verhaverbeke et al.) 03-2003, whole reference	1-25
E	US 2004/0139985 (Hegedus et al.) 07-2004, whole reference	1-25
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