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(54) Title: CHEMICAL-MECHANICAL POLISHING COMPOSITIONS COMPRISING ONE OR MORE POLYMERS SELECTED FROM THE GROUP CONSISTING OF N-VINYL-HOMOPOLYMERS AND N-VINYL COPOLYMERS

(57) Abstract: Described is a chemical-mechanical polishing (CMP) composition comprising the following components: (A) surface modified silica particles having a negative zeta potential of -15 mV or below at a pH in the range of from 2 to 6 (B) one or more polymers selected from the group consisting of N-vinyl-homopolymers and N-vinyl copolymers (C) water (D) optionally one or more further constituents, wherein the pH of the composition is in the range of from 2 to 6.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) C09G1;C09K3		
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 practicable, search terms used) cnpat,cntxt,wpi,epodoc:cmp,chemical mechanical polish???,abrad+,grind+, gan, gap,gaas,alas,aln ,inp,inas, insb, ingaas, inalas, algaas,gaaln,gain,ingaalas, ingaasp, ingap ,alinp,gaalsb,gainsb, gaalassb,gainassb, vinylpyrrolidone, vinylimidazole, pyrrolidone, imidazole, potential,silica,silicon? oxide, silicon? dioxide		
C. 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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Y	US 2003121214 A1 (FUJIMI INC) 03 July 2003 (2003-07-03) see claims 1,5, description, paragraph [0034]	1-15
A	CN 102257092 A (CABOT MICROELECTRONICS CORP) 23 November 2011 (2011-11-23) see the whole document	1-15
A	CN 1854225 A (TOKYO SHIBAURA ELECTRIC CO) 01 November 2006 (2006-11-01) see the whole document	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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“O”	document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
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Information on patent family members

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