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EUROPEAN PATENT APPLICATION

Application number: 84101834.4

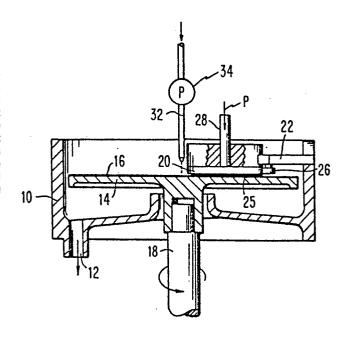
61 Int. Cl.4: B 24 B 37/04

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30 Priority: 10.03.83 US 474120

- Applicant: International Business Machines Corporation, Old Orchard Road, Armonk, N.Y. 10504 (US)
- 43 Date of publication of application: 17.10.84 Bulletin 84/42
- (7) inventor: Basi, Jagtar Singh, 97 Nantucket Drive, Fishkill New York 12524 (US) inventor: Mendel, Fric. 3 High Point Drive, Poughkeensie
- (84) Designated Contracting States: DE FR GB
- Inventor: Mendel, Eric, 3 High Point Drive, Poughkeepsie New York 12603 (US)

- Date of deferred publication of search report: 09.10.85 Bulletin 85/41
- Representative: Oechssier, Dietrich, Dr. rer. nat., Schönaicher Strasse 220, D-7030 Böblingen (DE)
- 64 Method for polishing amorphous aluminum oxide.
- The method comprises the chemical-mechanical polishing of amorphous aluminum oxide surfaces to a high degree of perfection. The aluminum oxide surfaces are continuously wetted with a water-citric acid slurry containing a soft abrasive material. The continuously wiping of the aluminum oxide surface is accomplished with a firm surface (16) using pressure while maintaining a relative movement between the aluminum oxide surface and the firm surface (16) to remove the water reacted aluminum oxide product from the high points of the aluminum oxide surface. This method is continued until a high degree of perfection of the surface is accomplished. The slurry is typically composed of colloidal silicon dioxide dispersed in water containing citric acid.





EUROPEAN SEARCH REPORT

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1	DOCUMENTS CONSI		·	Re	elevant	CLASSIFICA	TION OF THE
Category	Citation of document with indication, where of relevant passages		to claim			APPLICATION (Int. Cl. 3)	
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A	GB-A-1 109 892	(MARSHALL)					
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	Page 2				
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