

Title (en)
METHOD FOR POLISHING AMORPHOUS ALUMINUM OXIDE

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EP 0121707 B1 19880907 (EN)

Application
EP 84101834 A 19840222

Priority
US 47412083 A 19830310

Abstract (en)
[origin: EP0121707A2] 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 sort 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.

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Cited by
US5650039A; US5858813A; EP1298336A3; US5582534A; US5527423A; EP0593057A1; US5643053A; US5899800A; US5913718A; US6019671A; US6910948B2; US6267656B1; US6503134B2

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