

Title (en)  
CERAMIC MATERIAL

Title (de)  
KERAMISCHER WERKSTOFF

Title (fr)  
MATÉRIAU CÉRAMIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2008132158A1] Hardness, ageing resistance, wetting behaviour in relation to water and high thermal conductivity are known characteristics of sintered moulded bodies consisting of aluminium oxide; high strength and a high resistance to cracking, i.e. damage tolerance, are known characteristics of sintered moulded bodies consisting of zirconium oxide. To obtain a ceramic material, in which all said characteristics are combined, the invention discloses a material composed of a large fraction of aluminium oxide, zirconium oxide and optionally strontium aluminate.

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Citation (search report)  
See references of WO 2008132158A1

Citation (examination)  
G.M. INSLEY ET AL: "Next Generation Ceramics Based on Zirconia Toughened Alumina for Hip Joint Prostheses", KEY ENGINEERING MATERIALS, vol. 254-256, 1 January 2004 (2004-01-01), pages 675 - 678, XP055470965, DOI: 10.4028/www.scientific.net/KEM.254-256.675

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