

Title (en)
IMPROVED CMP PRODUCTS

Title (de)
VERBESSERTES CHEMISCH-MECHANISCHES POLIERVERFAHREN

Title (fr)
PRODUITS DE PLANARISATION MECANO-CHIMIQUE AMELIORES

Publication
EP 1228159 A1 20020807 (EN)

Application
EP 00959610 A 20000830

Priority
• US 0023797 W 20000830
• US 41947799 A 19991015

Abstract (en)
[origin: WO0129145A1] Abrasive materials comprising silica-coated transitional alumina particles with an average particle size of less than 50 nanometers and a BET surface area of at least 50 m²/gm are useful in CMP processes either in the form of slurries or as fixed abrasives.

IPC 1-7
C09K 3/14

IPC 8 full level
B24B 57/02 (2006.01); **B24B 37/24** (2012.01); **B24D 3/00** (2006.01); **B24D 3/28** (2006.01); **B24D 3/34** (2006.01); **C09G 1/02** (2006.01); **C09K 3/14** (2006.01); **H01L 21/304** (2006.01)

CPC (source: EP KR)
B24B 37/245 (2013.01 - EP KR); **B24D 3/28** (2013.01 - EP); **B24D 3/34** (2013.01 - EP); **C09K 3/1445** (2013.01 - EP KR); **C09K 3/1463** (2013.01 - EP KR); **C01P 2004/64** (2013.01 - KR); **C01P 2006/12** (2013.01 - KR); **H01L 21/3212** (2013.01 - KR); **Y10S 977/775** (2013.01 - KR); **Y10S 977/888** (2013.01 - KR)

Citation (search report)
See references of WO 0129145A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0129145 A1 20010426; AU 7090000 A 20010430; AU 754328 B2 20021114; BR 0014755 A 20020924; CA 2383504 A1 20010426; CN 1379803 A 20021113; EP 1228159 A1 20020807; JP 2003512501 A 20030402; KR 20020042869 A 20020607; MX PA02003753 A 20020830

DOCDB simple family (application)
US 0023797 W 20000830; AU 7090000 A 20000830; BR 0014755 A 20000830; CA 2383504 A 20000830; CN 00814323 A 20000830; EP 00959610 A 20000830; JP 2001531935 A 20000830; KR 20027004829 A 20020415; MX PA02003753 A 20000830