

Title (en)
SINGLE-CRYSTAL-LIKE MATERIALS

Title (de)
EINKRISTALLARTIGE MATERIALIEN

Title (fr)
MATERIAUX DE TYPE MONOCRISTALLINS

Publication
EP 1641965 A4 20080702 (EN)

Application
EP 03726872 A 20030514

Priority
US 0315226 W 20030514

Abstract (en)
[origin: WO2004106599A1] Polycrystalline materials of macroscopic size exhibiting Single-Crystal-Like properties are formed from a plurality of Single-Crystal Particles, having Self-Aligning morphologies and optionally bonded together and aligned along at least one, and up to three, crystallographic directions.

IPC 8 full level
C30B 33/00 (2006.01); **C30B 29/00** (2006.01); **C30B 33/06** (2006.01); **H01L 41/45** (2013.01)

CPC (source: EP)
C30B 29/605 (2013.01); **C30B 33/06** (2013.01)

Citation (search report)

- [X] US 6158952 A 20001212 - ROBERTS ELLIS EARL [US]
- [X] EP 0678598 A1 19951025 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- See references of WO 2004106599A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004106599 A1 20041209; AU 2003229087 A1 20050121; CA 2529868 A1 20041209; EP 1641965 A1 20060405; EP 1641965 A4 20080702; JP 2006525933 A 20061116; JP 4657916 B2 20110323

DOCDB simple family (application)
US 0315226 W 20030514; AU 2003229087 A 20030514; CA 2529868 A 20030514; EP 03726872 A 20030514; JP 2005500390 A 20030514