

Title (en)
INSULATING RAW MATERIAL FOR HIGH TEMPERATURE APPLICATIONS

Title (de)
ISOLIERENDES ROHMATERIAL FÜR HOCHTEMPERATUR-ANWENDUNGEN

Title (fr)
MATIERE PREMIERE ISOLANTE POUR APPLICATIONS A HAUTE TEMPERATURE

Publication
EP 1137611 A1 20011004 (EN)

Application
EP 99965405 A 19991123

Priority

- EP 9909029 W 19991123
- US 10967998 P 19981124

Abstract (en)
[origin: WO0030999A1] A new refractory insulating aggregate for high temperature applications has been developed. The product contains approximately 92 % Al₂O₃ and 7.5 % CaO; its mineralogical composition is calcium hexaluminate. The product is a homogeneous material with a high porosity of typically 75 % and a small pore radius of 0.5-2.5 μ m. The product is produced by a process which includes hydrothermal hardening in an autoclave.

IPC 1-7
C04B 35/101; C04B 35/66; C04B 38/00

IPC 8 full level
C04B 35/101 (2006.01); **C04B 35/66** (2006.01); **C04B 38/00** (2006.01)

CPC (source: EP)
C04B 35/101 (2013.01); **C04B 35/66** (2013.01); **C04B 38/009** (2013.01)

Citation (search report)
See references of WO 0030999A1

Cited by
CN109694241A; RU2764976C2

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 0030999 A1 20000602; AU 2093600 A 20000613; EP 1137611 A1 20011004

DOCDB simple family (application)
EP 9909029 W 19991123; AU 2093600 A 19991123; EP 99965405 A 19991123