

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 % Al<sub>2</sub>O<sub>3</sub> 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  $\mu$  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