

Title (en)
INORGANIC FOAMS

Title (de)
ANORGANISCHE SCHAUMSTOFFE

Title (fr)
MOUSSES INORGANIQUES

Publication
EP 2150508 A1 20100210 (DE)

Application
EP 08736497 A 20080423

Priority
• EP 2008054919 W 20080423
• EP 07106945 A 20070425
• EP 08736497 A 20080423

Abstract (en)
[origin: WO2008132110A1] The invention relates to a method for the production of a silicate foam of lower density, which comprises the following steps: (a) partial saponification of an aqueous dispersion of SiO₂ particulates which have an average particle diameter ranging from 1 to 100 nm, with a strong base; (b) addition of a surfactant and a blowing agent, and dispersion of the blowing agent at temperatures below 50 °C; (c) foaming of the mixture by heating to a temperature ranging from 35° to 100 °C or by relieving the pressure; (d) stabilization of the foam obtained in step (c) with a curing agent; (e) sintering of the foam at a temperature above 500 °C.

IPC 8 full level
C04B 28/02 (2006.01); **C04B 38/00** (2006.01)

CPC (source: EP KR US)
C04B 28/02 (2013.01 - KR); **C04B 35/14** (2013.01 - EP US); **C04B 35/638** (2013.01 - EP US); **C04B 38/00** (2013.01 - KR); **C04B 38/10** (2013.01 - EP US); **C04B 2111/00362** (2013.01 - EP US); **C04B 2111/52** (2013.01 - EP US); **C04B 2201/20** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US)

C-Set (source: EP US)
C04B 38/10 + C04B 35/14 + C04B 38/0022 + C04B 38/0058

Citation (search report)
See references of WO 2008132110A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2008132110 A1 20081106; CN 101687707 A 20100331; EP 2150508 A1 20100210; KR 20100017292 A 20100216; US 2010127203 A1 20100527

DOCDB simple family (application)
EP 2008054919 W 20080423; CN 200880013427 A 20080423; EP 08736497 A 20080423; KR 20097024409 A 20080423; US 59734008 A 20080423