

Title (en)  
JOINTING CEMENT CONTAINING HOLLOW SPHERES, FOR A PARTICULATE FILTER

Title (de)  
FUGENFÜLLUNGSZEMENT MIT HOHLKUGELN FÜR EINEN PARTIKELFILTER

Title (fr)  
CIMENT DE JOINTOIEMENT A SPHERES CREUSES POUR FILTRE A PARTICULES

Publication  
**EP 2029501 A2 20090304 (FR)**

Application  
**EP 07803887 A 20070619**

Priority  
• FR 2007051459 W 20070619  
• FR 0605437 A 20060619

Abstract (en)  
[origin: WO2007148011A2] Jointing cement intending in particular for fastening together a plurality of filter blocks of a filtering body of an exhaust gas particulate filter of an internal combustion engine of a motor vehicle, said cement comprising, in percentages by weight relative to the weight of the mineral material, apart from possible water and a possible mineral resin, between 30 and 90% silicon carbide (SiC), at least 3% of hollow spheres comprising, in percentages by weight and for a total of at least 99%, between 20 and 99% silica (SiO<sub>2</sub>) and between 1 and 80% alumina (Al<sub>2</sub>O<sub>3</sub>), at least 80% by number of the hollow spheres having a size of between 5 and 150 mm.

IPC 8 full level  
**C04B 38/00** (2006.01); **B01D 39/20** (2006.01); **C04B 14/30** (2006.01); **C04B 14/32** (2006.01); **C04B 24/28** (2006.01); **C04B 37/00** (2006.01); **F01N 3/022** (2006.01)

CPC (source: EP KR US)  
**B01D 39/20** (2013.01 - KR); **C04B 14/30** (2013.01 - KR); **C04B 14/32** (2013.01 - KR); **C04B 30/00** (2013.01 - EP US); **C04B 35/565** (2013.01 - EP US); **C04B 35/6263** (2013.01 - EP US); **C04B 35/63452** (2013.01 - EP US); **C04B 35/6365** (2013.01 - EP US); **C04B 35/80** (2013.01 - EP US); **C04B 37/005** (2013.01 - EP US); **C04B 38/00** (2013.01 - KR); **C04B 38/0019** (2013.01 - EP US); **B01D 2279/30** (2013.01 - EP US); **C04B 2111/00793** (2013.01 - EP US); **C04B 2111/12** (2013.01 - EP US); **C04B 2235/3208** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3222** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/3463** (2013.01 - EP US); **C04B 2235/3826** (2013.01 - EP US); **C04B 2235/5228** (2013.01 - EP US); **C04B 2235/526** (2013.01 - EP US); **C04B 2235/528** (2013.01 - EP US); **C04B 2235/5427** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/72** (2013.01 - EP US); **C04B 2235/77** (2013.01 - EP US); **C04B 2235/9684** (2013.01 - EP US); **C04B 2237/083** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007148011A2

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**FR 2902424 A1 20071221**; **FR 2902424 B1 20081017**; CA 2655613 A1 20071227; CN 101472857 A 20090701; CN 101472857 B 20130410; EP 2029501 A2 20090304; JP 2009541192 A 20091126; JP 5485691 B2 20140507; KR 20090023494 A 20090304; MA 30517 B1 20090601; MX 2008015390 A 20081215; RU 2009101003 A 20100727; RU 2437863 C2 20111227; US 2010024368 A1 20100204; US 8388720 B2 20130305; WO 2007148011 A2 20071227; WO 2007148011 A3 20080320

DOCDB simple family (application)  
**FR 0605437 A 20060619**; CA 2655613 A 20070619; CN 200780022761 A 20070619; EP 07803887 A 20070619; FR 2007051459 W 20070619; JP 2009515928 A 20070619; KR 20097000975 A 20090116; MA 31478 A 20081216; MX 2008015390 A 20070619; RU 2009101003 A 20070619; US 30415307 A 20070619