

Title (en)
SiC/GLASS-CERAMIC COMPOSITE FILTER

Title (de)
SiC/GLAS-KERAMIKVERBUNDFILTER

Title (fr)
FILTRE COMPOSITE SiC-VITROCERAMIQUE

Publication
EP 2282824 A1 20110216 (FR)

Application
EP 09766038 A 20090519

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• FR 2009050931 W 20090519
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Abstract (en)
[origin: WO2009153476A1] The invention relates to a filter, the filtering part of which is made from an inorganic material comprising SiC particles bound together by a phase of the glass-ceramic type, so as to form a porous structure having an open porosity of between 20 and 70%, said glass-ceramic binding phase comprising at least the following constituents, in molar percent in relation to all the oxides present in the phase: 30% to 80% SiO₂; 5% to 45% Al₂O₃; and 10% to 45% MO, MO representing an oxide of a divalent cation or the sum of the oxides of divalent cations present in said glass-ceramic phase, M preferably being chosen from Ca, Ba, Mg and Sr, said glass-ceramic phase having a residual glassy phase volume percent of less than 20%.

IPC 8 full level
B01D 39/20 (2006.01); **C04B 35/565** (2006.01)

CPC (source: EP KR US)
B01D 39/20 (2013.01 - KR); **B01D 39/2075** (2013.01 - EP US); **B01J 35/56** (2024.01 - KR); **C03C 10/0036** (2013.01 - EP US); **C03C 10/0045** (2013.01 - EP US); **C03C 10/0054** (2013.01 - EP US); **C04B 35/565** (2013.01 - EP KR US); **C04B 35/6263** (2013.01 - EP US); **C04B 38/0006** (2013.01 - EP US); **F01N 3/022** (2013.01 - KR); **C04B 2111/00793** (2013.01 - EP US); **C04B 2235/3201** (2013.01 - EP US); **C04B 2235/3206** (2013.01 - EP US); **C04B 2235/3208** (2013.01 - EP US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3215** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3244** (2013.01 - EP US); **C04B 2235/3272** (2013.01 - EP US); **C04B 2235/3409** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/3463** (2013.01 - EP US); **C04B 2235/3481** (2013.01 - EP US); **C04B 2235/36** (2013.01 - EP US); **C04B 2235/447** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/5472** (2013.01 - EP US); **C04B 2235/6562** (2013.01 - EP US); **C04B 2235/6565** (2013.01 - EP US); **C04B 2235/6567** (2013.01 - EP US); **C04B 2235/77** (2013.01 - EP US); **C04B 2235/80** (2013.01 - EP US); **C04B 2235/96** (2013.01 - EP US); **C04B 2235/9607** (2013.01 - EP US)

C-Set (source: EP US)
C04B 38/0006 + C04B 35/565 + C04B 38/0016 + C04B 38/0058 + C04B 38/0074

Cited by
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

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