

Title (en)
TEXTURED PARTICLE FILTER FOR CATALYTIC USE

Title (de)
TEXTURIERTER PARTIKELFILTER ZUR VERWENDUNG IN KATALYSATOREN

Title (fr)
FILTRE A PARTICULES TEXTURE POUR APPLICATIONS CATALYTIQUES

Publication
EP 2155388 A2 20100224 (FR)

Application
EP 08805801 A 20080519

Priority
• FR 2008050855 W 20080519
• FR 0755217 A 20070523

Abstract (en)
[origin: WO2008142353A2] The invention relates to a catalytic filter comprising a porous matrix made from an inorganic material in the form of grains which are interconnected such as to form cavities therebetween, with an open porosity of between 30 and 60 % and a median pore diameter of between 5 and 40 µm. The filter is characterised in that at least part of the surface of the grains, and optionally the grain boundaries, of the inorganic material is covered with a texturing material, said texturisation consisting of surface irregularities having dimensions of between 10 nm and 5 micrometres, and in that the catalytic coating at least partially covers the texturing material and, optionally, the grains of the inorganic material.

IPC 8 full level
B01J 27/224 (2006.01); **B01J 35/02** (2006.01); **B01J 35/04** (2006.01); **B01J 35/10** (2006.01); **B01J 37/02** (2006.01); **C04B 35/565** (2006.01); **C04B 38/00** (2006.01); **C04B 41/50** (2006.01); **C04B 41/52** (2006.01)

CPC (source: EP KR US)
B01J 23/63 (2013.01 - EP US); **B01J 27/224** (2013.01 - EP KR US); **B01J 35/40** (2024.01 - EP US); **B01J 35/56** (2024.01 - KR); **B01J 35/60** (2024.01 - EP US); **B01J 37/0219** (2013.01 - EP US); **B01J 37/0242** (2013.01 - EP US); **C04B 35/565** (2013.01 - EP US); **C04B 35/624** (2013.01 - EP US); **C04B 35/6264** (2013.01 - EP US); **C04B 35/63424** (2013.01 - EP US); **C04B 38/0006** (2013.01 - EP US); **C04B 38/0038** (2013.01 - EP US); **F01N 3/022** (2013.01 - KR); **F02M 35/00** (2013.01 - KR); **B01J 35/56** (2024.01 - EP US); **C04B 2111/00793** (2013.01 - EP US); **C04B 2111/0081** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3244** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/3826** (2013.01 - EP US); **C04B 2235/408** (2013.01 - EP US); **C04B 2235/441** (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 2235/606** (2013.01 - EP US); **C04B 2235/616** (2013.01 - EP US); **C04B 2235/77** (2013.01 - EP US); **Y10T 428/249967** (2015.04 - EP US)

C-Set (source: EP US)
1. **C04B 38/0006 + C04B 35/565 + C04B 38/0054 + C04B 38/0058 + C04B 38/0074 + C04B 38/0655**
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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)
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