

Title (en)
POROUS CERAMIC MEMBER AND FILTER

Title (de)
PORÖSES KERAMIKELEMENT UND FILTER

Title (fr)
ÉLÉMENT EN CÉRAMIQUE POREUSE ET FILTRE

Publication
EP 2266932 B8 20130911 (EN)

Application
EP 09724415 A 20090326

Priority
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• JP 2008080837 A 20080326

Abstract (en)
[origin: EP2266932A1] Disclosed are a porous ceramic member having high porosity and large average pore diameter, a method for producing the porous ceramic member, and a filter. The porous ceramic member is obtained by joining crystal particles (11) of aluminum titanate, which contain Al, Ti and Mg and have an average particle diameter of not less than 25 µm, with an amorphous material (13) containing Si. The porous ceramic member has a porosity of not less than 35% and an average pore diameter of not less than 5µm. The porous ceramic member has large pores and a sufficiently high porosity, and thus gas can sufficiently permeate therethrough when the porous ceramic member is used, for example, as a filter element.

IPC 8 full level
C04B 35/478 (2006.01); **C01G 23/00** (2006.01); **C04B 35/626** (2006.01); **C04B 38/00** (2006.01); **F01N 3/022** (2006.01)

CPC (source: EP US)
C04B 35/478 (2013.01 - EP); **C04B 35/62675** (2013.01 - EP); **C04B 35/62685** (2013.01 - EP); **C04B 38/0006** (2013.01 - EP US); **C01G 23/003** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP); **C01P 2006/16** (2013.01 - EP); **C04B 2111/00793** (2013.01 - EP); **C04B 2111/0081** (2013.01 - EP); **C04B 2235/3201** (2013.01 - EP); **C04B 2235/3206** (2013.01 - EP); **C04B 2235/3234** (2013.01 - EP); **C04B 2235/3272** (2013.01 - EP); **C04B 2235/3418** (2013.01 - EP); **C04B 2235/5436** (2013.01 - EP); **C04B 2235/656** (2013.01 - EP); **C04B 2235/72** (2013.01 - EP); **C04B 2235/75** (2013.01 - EP); **C04B 2235/77** (2013.01 - EP); **C04B 2235/786** (2013.01 - EP); **C04B 2235/85** (2013.01 - EP); **C04B 2235/96** (2013.01 - EP); **C04B 2235/9607** (2013.01 - EP); **C04B 2235/9692** (2013.01 - EP); **F01N 3/0222** (2013.01 - EP); **F01N 2330/06** (2013.01 - EP)

C-Set (source: EP)
C04B 38/0006 + C04B 35/478 + C04B 38/0054 + C04B 38/0074

Cited by
EP3632875A1; EP2319816A4; US10301222B2; US9908260B2; US9623360B2; US9376347B2; WO2014189817A1; US10252441B2; US11229902B2; US9238197B2; US11447422B2

Designated contracting state (EPC)
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