

Title (en)
ALUMINA TITANATE POROUS STRUCTURE

Title (de)
PORÖSE ALUMINIUMTITANATSTRUKTUR

Title (fr)
STRUCTURE POREUSE DU TYPE TITANATE D'ALUMINE

Publication
EP 2480518 A1 20120801 (FR)

Application
EP 10770601 A 20100921

Priority
• FR 0956502 A 20090922
• FR 1056155 A 20100727
• FR 2010051971 W 20100921

Abstract (en)
[origin: WO2011036397A1] The invention relates to a porous structure including an oxide ceramic material comprising, on the basis of the corresponding simple oxides: Al₂O₃; TiO₂; at least one oxide of an element, M₂, selected from the group containing Fe₂O₃, Cr₂O₃, MnO₂, La₂O₃, Y₂O₃, Ga₂O₃; at least one oxide of an element, M₃, selected from the group containing ZrO₂, Ce₂O₃, HfO₂; and optionally at least one oxide of an element, M₁, selected from among MgO, CoO and optionally SiO₂, said material being obtained by the reactive sintering of the corresponding simple oxides or one of the precursors thereof or by the heat treatment of sintered grains having said composition.

IPC 8 full level
C04B 35/478 (2006.01); **C04B 38/00** (2006.01); **C04B 111/00** (2006.01)

CPC (source: EP KR US)
C04B 35/478 (2013.01 - EP KR US); **C04B 35/63** (2013.01 - KR); **C04B 38/0006** (2013.01 - EP KR US); **C04B 2111/00793** (2013.01 - EP US); **C04B 2235/3201** (2013.01 - EP US); **C04B 2235/3206** (2013.01 - EP KR US); **C04B 2235/3208** (2013.01 - EP KR US); **C04B 2235/3213** (2013.01 - EP KR US); **C04B 2235/3215** (2013.01 - EP KR US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3225** (2013.01 - EP US); **C04B 2235/3227** (2013.01 - EP US); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3232** (2013.01 - EP US); **C04B 2235/3241** (2013.01 - EP US); **C04B 2235/3244** (2013.01 - EP US); **C04B 2235/3267** (2013.01 - EP KR US); **C04B 2235/3272** (2013.01 - EP US); **C04B 2235/3275** (2013.01 - EP US); **C04B 2235/3409** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/656** (2013.01 - EP US); **C04B 2235/72** (2013.01 - EP US); **C04B 2235/77** (2013.01 - EP US); **C04B 2235/80** (2013.01 - EP US); **F01N 2330/06** (2013.01 - EP US); **Y10T 428/24149** (2015.01 - EP US)

Citation (search report)
See references of WO 2011036397A1

Citation (examination)
EP 2459498 A1 20120606 - SAINT GOBAIN CT RECHERCHES [FR]

Designated contracting state (EPC)
AL 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 SM TR

DOCDB simple family (publication)
WO 2011036397 A1 20110331; CN 102639460 A 20120815; EP 2480518 A1 20120801; JP 2013505197 A 20130214; JP 5543604 B2 20140709; KR 20120083349 A 20120725; US 2012276325 A1 20121101

DOCDB simple family (application)
FR 2010051971 W 20100921; CN 201080042275 A 20100921; EP 10770601 A 20100921; JP 2012530316 A 20100921; KR 20127007311 A 20100921; US 201013497567 A 20100921