

Title (en)
MELTED MAGNESIUM ALUMINATE GRAIN RICH IN MAGNESIUM

Title (de)
MAGNESIUMREICHES GESCHMOLZENES MAGNESIUMALUMINATKORN

Title (fr)
GRAIN FONDU D'ALUMINATE DE MAGNESIUM RICHE EN MAGNESIUM

Publication
EP 3350138 A1 20180725 (FR)

Application
EP 16777726 A 20160914

Priority

- FR 1558569 A 20150914
- FR 2016052317 W 20160914

Abstract (en)
[origin: WO2017046517A1] The invention relates to a melted grain essentially consisting of a matrix of a magnesium and aluminium oxide of a spinel structure $MgAl_2O_4$ and/or eutectic structure $MgO-MgAl_2O_4$ and inclusions essentially consisting of magnesium oxide, said grain having the following overall chemical composition, in weight percentages expressed in the form of oxides: more than 5.0% and less than 19.9% of Al_2O_3 ; Al_2O_3 and MgO together representing more than 95.0% of the weight of said grain, said grain being characterised in that the cumulated content of CaO and ZrO_2 is less than 4000 ppm, in weight. The invention also relates to a ceramic product or material produced by sintering said grains.

IPC 8 full level
C04B 35/443 (2006.01); **C01F 5/00** (2006.01); **C01F 7/162** (2022.01); **C04B 35/053** (2006.01); **C04B 35/653** (2006.01)

CPC (source: EP KR US)
C01F 5/02 (2013.01 - EP US); **C01F 7/162** (2013.01 - EP KR US); **C04B 35/053** (2013.01 - EP US); **C04B 35/443** (2013.01 - EP KR US); **C04B 35/6262** (2013.01 - US); **C04B 35/62695** (2013.01 - KR); **C04B 35/653** (2013.01 - EP KR US); **C01P 2002/32** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US); **C01P 2004/82** (2013.01 - EP US); **C01P 2006/80** (2013.01 - EP US); **C04B 2235/3201** (2013.01 - EP US); **C04B 2235/3206** (2013.01 - KR US); **C04B 2235/3208** (2013.01 - EP KR US); **C04B 2235/3217** (2013.01 - KR); **C04B 2235/3222** (2013.01 - US); **C04B 2235/3244** (2013.01 - EP KR US); **C04B 2235/3267** (2013.01 - EP US); **C04B 2235/3272** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - KR); **C04B 2235/72** (2013.01 - EP US); **C04B 2235/725** (2013.01 - US); **C04B 2235/763** (2013.01 - US); **C04B 2235/785** (2013.01 - EP US); **C04B 2235/80** (2013.01 - EP US); **C04B 2235/85** (2013.01 - US)

Citation (search report)
See references of WO 2017046517A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3040993 A1 20170317; EP 3350138 A1 20180725; JP 2018530509 A 20181018; KR 20180052717 A 20180518; US 10494308 B2 20191203; US 2019039956 A1 20190207; WO 2017046517 A1 20170323

DOCDB simple family (application)
FR 1558569 A 20150914; EP 16777726 A 20160914; FR 2016052317 W 20160914; JP 2018513472 A 20160914; KR 20187010193 A 20160914; US 201615759679 A 20160914