

Title (en)

FUSED GRAINS OF OXIDES COMPRISING AL, TI, SI AND CERAMIC PRODUCTS COMPRISING SUCH GRAINS

Title (de)

VERSCHMOLZENE OXIDKÖRNER MIT AL, TI, SI UND KERAMIKPRODUKTE MIT DERARTIGEN KÖRNERN

Title (fr)

GRAINS FONDUS D'OXYDES COMPRENANT AL, TI, SI ET PRODUITS CERAMIQUES COMPORTANT DE TELS GRAINS

Publication

**EP 2445848 A1 20120502 (FR)**

Application

**EP 10745332 A 20100625**

Priority

- FR 2010051312 W 20100625
- FR 0954378 A 20090626

Abstract (en)

[origin: WO2010149940A1] Fused grains having the following chemical composition, in weight percentages on the basis of the oxides: more than 15% of Al<sub>2</sub>O<sub>3</sub> and less than 55% of Al<sub>2</sub>O<sub>3</sub>, - more than 20% and less than 45% of TiO<sub>2</sub>, - more than 3% and less than 30% of SiO<sub>2</sub>, - less than 20%, in total, of at least one oxide chosen from ZrO<sub>2</sub>, Ce<sub>2</sub>O<sub>3</sub>, HfO<sub>2</sub>, - less than 1% of MgO, - a total sum amount of the oxides CaO, Na<sub>2</sub>O, K<sub>2</sub>O, SrO, B<sub>2</sub>O<sub>3</sub>, BaO greater than 1% and less than 15%. Ceramic product or material obtained by sintering said grains.

IPC 8 full level

**C04B 35/478** (2006.01); **C04B 35/653** (2006.01); **C04B 38/00** (2006.01); **F01N 3/022** (2006.01)

CPC (source: EP US)

**C04B 35/478** (2013.01 - EP US); **C04B 35/6262** (2013.01 - EP US); **C04B 35/653** (2013.01 - EP US); **C04B 38/0006** (2013.01 - EP US); **C04B 2111/00793** (2013.01 - EP US); **C04B 2111/0081** (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 2235/3225** (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 2235/3248** (2013.01 - EP US); **C04B 2235/3267** (2013.01 - EP US); **C04B 2235/3272** (2013.01 - EP US); **C04B 2235/3275** (2013.01 - EP US); **C04B 2235/3286** (2013.01 - EP US); **C04B 2235/3409** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/3427** (2013.01 - EP US); **C04B 2235/3463** (2013.01 - EP US); **C04B 2235/5427** (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 2235/6565** (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); **C04B 2235/96** (2013.01 - EP US); **C04B 2235/9607** (2013.01 - EP US); **F01N 3/0222** (2013.01 - EP US); **F01N 3/2828** (2013.01 - EP US)

C-Set (source: EP US)

**C04B 38/0006** + **C04B 35/478** + **C04B 38/0054** + **C04B 38/0074**

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See references of WO 2010149940A1

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