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COLOURED SINTERED PART

Title (de)
FARBIGES SINTERTEIL

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PIECE FRITTEE COLOREE

Publication
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Application
EP 11810692 A 20111222

Priority
• FR 1061019 A 20101222
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Abstract (en)
[origin: WO2012085875A2] Particulate mixture having the following chemical composition, in percentages by weight on the basis of the oxides: - $ZrO_2 = 10.0\%$; - $2\% \text{ } 2O_3 = 80\%$; - 2 to 20.0% of an oxide chosen from Y_2O_3 , Sc_2O_3 , MgO , CaO , CeO_2 , and mixtures thereof, the $MgO + CaO$ content being less than 5.0%; - 0 to 18.0% of an oxide chosen from ZnO , lanthanide oxides except for CeO_2 , and mixtures thereof; - less than 12.0% of other oxides; said particulate mixture comprising a pigment, in an amount between 0.5 and 0.0%, made of a material chosen from - oxide(s) of perovskite structure, - oxides of spinel structure, - oxides of hematite structure E_2O_3 , the element E being chosen from the group GE (1) formed by the mixtures of aluminium and chromium, the mixtures of aluminium and manganese, and mixtures thereof, - the oxides of rutile structure FO_2 , the element F being chosen from the group GF (1) formed by the mixtures of tin and vanadium, the mixtures of titanium and chromium and niobium, the mixtures of titanium and chromium and tungsten, the mixtures of titanium and niobium and manganese, the mixtures of tin and chromium, and mixtures thereof, - orthosilicates chosen from the group formed by orthosilicates of zirconium and praseodymium $(Zr,Pr)SiO_4$, orthosilicates of zirconium and vanadium $(Zr,V)SiO_4$, and orthosilicates of zirconium in which iron oxide is found as an inclusion, and mixtures thereof.

IPC 8 full level
C04B 35/117 (2006.01); **C04B 35/119** (2006.01); **C04B 35/488** (2006.01); **C04B 35/626** (2006.01); **C09C 1/00** (2006.01)

CPC (source: EP KR US)
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