

Title (en)
POWDER FOR A THERMAL BARRIER

Title (de)
PULVER FÜR EINE WÄRMEDÄMMSCHICHT

Title (fr)
POUDRE POUR BARRIERE THERMIQUE

Publication
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Application
EP 19701562 A 20190131

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Abstract (en)
[origin: WO2019149857A1] The invention relates to a particle powder, a number higher than 95% of the particles having a circularity greater than or equal to 0.85, the powder containing more than 98% of a stabilised oxide which is selected from stabilised zirconium oxides, stabilised hafnium oxides and the mixtures thereof, the stabilised oxide being stabilised by a stabiliser which is selected from the oxides of Y, Ca, Ce, Se, Mg, In, La, Gd, Nd, Sm, Dy, Er, Yb, Eu, Pr and Ta, which are referred to as "stabilising oxides", and the mixtures of these stabilising oxides, as a percentage by mass on the basis of the oxides, and having: - a mean particle size D50 less than 15 µm, a 90th percentile of the particle sizes D90 less than 30 µm, and a size dispersion index (D90 - D10)/D10 less than 2; - a relative density greater than 90%.

IPC 8 full level
C01G 25/02 (2006.01); **C01F 17/00** (2020.01); **C01G 27/02** (2006.01); **C04B 35/486** (2006.01); **C04B 35/653** (2006.01); **C23C 4/11** (2016.01); **F01D 5/28** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2019149857A1

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