

Title (en)

Stability improvement of iridium

Title (de)

Festigkeitserhöhung von Iridium

Title (fr)

Augmentation de la rigidité de l'iridium

Publication

EP 2281905 B1 20150812 (DE)

Application

EP 10005962 A 20100610

Priority

DE 102009031168 A 20090629

Abstract (en)

[origin: US2010329922A1] The addition of 0.5 to 30 ppm boron and 0.5 to 20 ppm calcium to iridium and the Zr- and Hf-free alloys thereof and rhodium and the Zr- and Hf-free alloys thereof surprisingly increases the creep rupture strength at high temperatures, in particular around 1,800° C.

IPC 8 full level

C22C 5/04 (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)

C22C 5/04 (2013.01 - EP US); **C22F 1/14** (2013.01 - EP US)

Cited by

EP3216883A1; WO2017153264A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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