Title (en)

CERMET MATERIALS AND METHOD FOR MAKING SUCH MATERIALS

Title (de)

CERMETMATERIALIEN UND VERFAHREN ZUR HERSTELLUNG SOLCHER MATERIALIEN

Title (fr)

MATERIAUX EN CERMET ET PROCEDE DE FABRICATION DE TELS MATERIAUX

Publication

EP 3256279 A1 20171220 (FR)

Application

EP 16707872 A 20160205

Priority

- FR 1551002 A 20150209
- FR 2016050249 W 20160205

Abstract (en)

[origin: WO2016128653A1] The invention relates to a cermet material comprising a first phase MAX having the general formula Tin+1AlCn and a second intermetallic phase having the general formula TixAly, where n equals 1 or 2, x is between 1 and 3, y is between 1 and 3, and x + y ≤ 4. The proportion by volume of the first phase in the material is between 70% and 95%. The proportion by volume of the second phase in the material is between 30% and 5%. The void ratio is less than 5%.

IPC 8 full level

B22F 3/14 (2006.01); **C22C 1/05** (2006.01); **C22C 29/06** (2006.01)

CPC (source: CN EP US)

C22C 1/051 (2013.01 - EP US); **C22C 1/058** (2013.01 - CN EP US); **C22C 29/06** (2013.01 - CN EP); **C22C 29/067** (2013.01 - EP US); B22F 3/14 (2013.01 - EP); B22F 2998/10 (2013.01 - CN EP); B22F 2999/00 (2013.01 - EP); C22C 29/02 (2013.01 - EP); C22C 29/16 (2013.01 - EP)

C-Set (source: CN EP)

1. B22F 2998/10 + B22F 2998/10 + B22F 2009/043 + C22C 1/051 + B22F 3/14 + C22C 1/1084 + B22F 3/14 + B22F 3/15
2. B22F 2999/00 + B22F 3/15 + B22F 2201/10

Citation (search report)

See references of WO 2016128653A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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