

Title (en)

Production method of a sintered body

Title (de)

Herstellungsverfahren eines Sinterkörpers

Title (fr)

Procédé de production d'un corps fritté

Publication

EP 1440751 B1 20070314 (EN)

Application

EP 04000274 A 20040108

Priority

JP 2003009483 A 20030117

Abstract (en)

[origin: EP1440751A1] A sintered body is produced by preparing a metal powder mixture, compacting the metal powder mixture to provide a green compact and then sintering the green compact. The metal powder mixture includes a fine metal powder having a particle size of 75 μm or smaller, a graphite powder in an amount of 0.1 to 1.0% by mass and a powder lubricant in an amount of 0.05 to 0.80% by mass based on a total mass of the metal powder mixture. <IMAGE>

IPC 8 full level

B22F 3/10 (2006.01); **B22F 1/10** (2022.01); **B22F 1/105** (2022.01); **B22F 3/02** (2006.01); **B22F 3/24** (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP US)

B22F 1/10 (2022.01 - EP US); **B22F 1/105** (2022.01 - EP US); **C22C 33/02** (2013.01 - EP US); **B22F 2003/023** (2013.01 - EP US); **B22F 2003/026** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US)

Citation (examination)

- US 6332904 B1 20011225 - FUJIKI AKIRA [JP], et al
- US 5540883 A 19960730 - JONES PETER [CA], et al

Cited by

EP3097999A4; CN102601355A; DE102023117189A1

Designated contracting state (EPC)

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EP 1440751 A1 20040728; **EP 1440751 B1 20070314**; CN 1517165 A 20040804; DE 602004005247 D1 20070426; DE 602004005247 T2 20071220; JP 2004218041 A 20040805; US 2004144203 A1 20040729

DOCDB simple family (application)

EP 04000274 A 20040108; CN 200410002254 A 20040116; DE 602004005247 T 20040108; JP 2003009483 A 20030117; US 75811304 A 20040116