

Title (en)

METHOD AND DEVICE FOR MAKING ARTICLES FROM POWDER MATERIALS

Publication

EP 0419685 A4 19910925 (DE)

Application

EP 90910082 A 19881220

Priority

SU 8800274 W 19881220

Abstract (en)

[origin: US5308232A] The invention relates to powder metallurgy. The invention involves deforming combustion products by extrusion at an extrusion temperature chose in the range from 0.3T₁ to T₂, wherein T₁ is the melting point of a hard phase of the combustion products and T₂ is the melting point of a binder material in a container (5) made up of vertically extending segments (12) defining spaces (13) with one another and having a die (14) and a heat insulated sizing member (17) the temperature conditions of extrusion being controlled by a unit (21) having a temperature sensor (22) and a member (23) receiving information from the sensor (22) and sending a command for moving the punch (10).

IPC 1-7

C22C 1/05

IPC 8 full level

B22F 3/20 (2006.01); **C22C 1/05** (2006.01)

CPC (source: EP US)

B22F 3/20 (2013.01 - EP US); **C22C 1/058** (2023.01 - EP US)

Citation (search report)

- [A] US 4673550 A 19870616 - DALLAIRE SERGE [CA], et al
- [A] US 2097502 A 19371102 - SOUTHGATE GEORGE T

Cited by

US6139658A; WO9303192A1

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US 5308232 A 19940503; EP 0419685 A1 19910403; EP 0419685 A4 19910925; JP H03504029 A 19910905; US 5053192 A 19911001; WO 9007015 A1 19900628

DOCDB simple family (application)

US 73561891 A 19910725; EP 90910082 A 19881220; JP 50888990 A 19881220; SU 8800274 W 19881220; US 56636090 A 19900823