

Title (en)

Ceramic mould and method of producing same.

Title (de)

Keramikform und Verfahren zur Herstellung derselben.

Title (fr)

Moule céramique et procédé pour la production de celui-ci.

Publication

**EP 0090118 A1 19831005 (EN)**

Application

**EP 82306346 A 19821130**

Priority

US 36234182 A 19820326

Abstract (en)

A ceramic mould (10) for use in the production of powder metallurgy articles (22); the mould (10) has a ceramic body (12) with a mould cavity (14) therein conforming substantially to the configuration of the article (22) to be produced. The mould cavity (14) is adapted to be filled with powdered metal (20) which is then compacted to form the article (22). The improvement of the invention is the mould cavity (14) having a continuous metal coating (18) covering the entire surface thereof so that the powdered metal (20) prior to and during compaction does not come into contact with and be contaminated by the ceramic of the mould body (12).

IPC 1-7

**B22C 3/00**; B22C 9/00; B22C 13/08; B22F 3/00

IPC 8 full level

**B22C 3/00** (2006.01); **B22C 9/00** (2006.01); **B22C 13/08** (2006.01); **B22F 3/00** (2006.01); **B22F 3/12** (2006.01)

CPC (source: EP)

**B22F 3/1241** (2013.01); **B22F 3/1275** (2013.01); **B22F 3/1283** (2013.01)

Citation (search report)

- [A] DE 1908796 A1 19690918 - INST ODLEWNICTWA
- [A] DE 1446181 B1 19700716 - INT NICKEL CANADA [CA]
- [A] Chemical Abstracts vol. 90, 16 April - 30 April 1979, Columbus, Ohio, USA G. HEINICKE et al. "Tribbochemical preparation of nickel carbonyl and use of carbonyl nickel in production of precision molds" Page 138, column 2, abstract no. 123943a

Cited by

DE10223371A1; US6939508B2; US4772450A; US11229950B2; JP2010510153A; EP3391982A3; EP4039392A1; WO2008059272A3; WO9847833A3

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