

Title (en)

Method of forming shaped body from fine particles with carrier fluid under pressure gradient.

Title (de)

Verfahren zum Formen eines Formkörpers aus feinen Teilchen mit einer Trägerflüssigkeit unter einem Druckfeld.

Title (fr)

Procédé de moulage d'un corps façonné à partir de fines particules avec un fluide porteur sous un gradient de pression.

Publication

**EP 0505067 A1 19920923 (EN)**

Application

**EP 92301994 A 19920309**

Priority

- JP 8361391 A 19910322
- JP 16923291 A 19910614
- JP 16923391 A 19910614
- JP 16923491 A 19910614

Abstract (en)

A shaped body is formed from fine particles such as powder, whiskers or short fibers of ceramics or metal, by preparing a mold (34) having a mold chamber (42), an inlet port (36) open to the mold chamber at its first portion and adapted to introduce a mixture of the fine particles and a carrier fluid into the mold chamber, and an outlet port (44) open to the mold chamber at its second portion substantially opposite to the first portion and adapted to exhaust substantially only the carrier fluid in a gaseous state out of the mold chamber (42); preparing the mixture of the fine particles and the carrier fluid; and supplying the mixture under a pressure elevated substantially above atmospheric pressure into the mold chamber through the inlet port (36) while exhausting the carrier fluid out of the mold chamber through the outlet port (44). <IMAGE>

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**B22F 3/00** (2006.01); **B28B 13/02** (2006.01)

CPC (source: EP)

**B22F 3/004** (2013.01); **B28B 13/021** (2013.01)

Citation (search report)

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- [XP] FR 2660584 A1 19911011 - RDM STE CIVILE [FR]
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- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 191 (C-501)(3038) 3 June 1988 & JP-A-62 294 413 ( CANON INC ) 21 December 1987

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