

Title (en)

Method of producing a mould.

Title (de)

Verfahren zum Herstellen einer Giessform.

Title (fr)

Procédé pour la production de moules.

Publication

EP 0133211 A1 19850220 (DE)

Application

EP 84107313 A 19840626

Priority

DE 3323697 A 19830701

Abstract (en)

[origin: ES8503536A1] A process for producing a casting mould with chemically bound moulding material using a pattern is intended to make it possible to forego the use of clay-bound sand, in particular for the mass production of cast members, and to provide a casting mould of adequate gas permeability, which is simple to produce, with a low level of consumption of moulding material, and inexpensive, and which also provides a high level of casting quality with a low degree of environmental pollution. For that purpose, the moulding material which has become pourable or fluid due to the operation of casting a cast member is removed from a first casting mould comprising a single moulding material, whereas the remaining portion of the moulding material is left, and the hollow space formed when the pattern is re-fitted is filled with moulding material. In addition, the moulding material which has been reduced in strength may be also removed, being for example blown or brushed out.

Abstract (de)

Ein Verfahren zum Herstellen einer Gießform mit chemisch gebundenem Formstoff unter Verwendung eines Modells. Es wird aus einer ersten Gießform nach dem Abguß eines Gußstückes der rieselfähig gewordene Formstoff entfernt, hingegen der restliche Teil des Formstoffes belassen, sowie der beim Wiederanlegen des Modells geschaffene Hohlraum mit Formstoff aufgefüllt. Darüber hinaus kann zusätzlich der in seiner Festigkeit verminderte Formstoff entfernt, beispielsweise ausgeblasen oder ausgebürstet, werden.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

B22C 9/00 (2013.01 - EP KR US); **B22C 9/02** (2013.01 - EP US); **B22C 9/068** (2013.01 - EP US)

Citation (search report)

- [A] DE 2518155 A1 19761104 - KLOECKNER HUMBOLDT DEUTZ AG
- [A] DE 3206048 A1 19820909 - TOYO KOGYO CO [JP]

Cited by

CN112371959A; EP1531021A1

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