

Title (en)

Foundry mould and process for making such a mould

Title (de)

Giessform und Verfahren zur deren Herstellung

Title (fr)

Moule de fonderie et procédé de réalisation d'un tel moule

Publication

**EP 0754514 A1 19970122 (FR)**

Application

**EP 96401620 A 19960719**

Priority

FR 9508721 A 19950719

Abstract (en)

A foundry mould is claimed comprising a substrate (2) of which the inner surface is coated with a permanent protective layer (5) of refractory material inert w.r.t. the metal to be cast. The inner surface of the substrate has a rough texture (3) and the protective layer is a thin coating taking up the rough texture of the inner surface of the substrate. The method used to produce this foundry mould is also claimed and consists of the following steps: (a) prepn. of the inner surface of the substrate in such a manner so as to give it the appropriate roughness; and (b) depositing a thin layer of refractory material on the prepd. surface and recovering the mould.

Abstract (fr)

L'invention concerne un moule de fonderie (1) comprenant un substrat (2) dont la surface interne est revêtue d'une couche (5) protectrice permanente en matériau réfractaire inerte vis-à-vis du métal coulé, remarquable en ce que ladite surface interne dudit substrat présente une texture rugueuse (3) et ladite couche protectrice est une couche mince épousant la texture rugueuse de la surface interne du substrat. L'invention concerne également un procédé de réalisation d'un tel moule. <IMAGE>

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IPC 8 full level

**B22C 3/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] FR 1257063 A 19610331 - RENAULT
- [XP] FR 2721240 A1 19951222 - RENAULT [FR]
- [XP] EP 0670190 A1 19950906 - PEUGEOT [FR], et al
- [X] EP 0543444 A1 19930526 - BORGNOVA SPA [IT]
- [A] GB 2273718 A 19940629 - CHROMALLOY GAS TURBINE CORP [US]

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