

Title (en)

Method for fine casting of metallic parts with narrow channels

Title (de)

Verfahren zum Feingießen von metallischen Bauteilen mit dünnen Durchgangskanälen

Title (fr)

Procédé de soudure fine de composants métalliques dotés de canaux de passage fins

Publication

**EP 1970142 B1 20110928 (DE)**

Application

**EP 08150863 A 20080131**

Priority

DE 102007012321 A 20070309

Abstract (en)

[origin: EP1970142A1] Precision casting of metal components with very thin channels, especially turbine blades, comprises forming a wax pattern by pressing wax (7) between two mold shells with ceramic rods (6) in positions corresponding to the desired channels. A ceramic mold is produced for this by immersion and sand-coating. The mold is then baked and the wax simultaneously burnt off. The mold is then used to produce a metal casting. The rods correspond in diameter to those of the channels and have a fusible outer reinforcing sleeve (8).

IPC 8 full level

**B22C 7/02** (2006.01); **B22C 9/04** (2006.01); **B22C 9/10** (2006.01)

CPC (source: EP US)

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Cited by

CN103706760A; CN113441688A

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