

Title (en)

Method for producing a casting of high thermal load

Title (de)

Verfahren zur Herstellung eines thermisch belasteten Gussteils

Title (fr)

Procédé de fabrication d'une pièce moulée à charge thermique élevée

Publication

**EP 1645347 A1 20060412 (DE)**

Application

**EP 05111586 A 20010412**

Priority

- EP 01109115 A 20010412
- DE 10024302 A 20000517

Abstract (en)

Production of thermally-stressed components (1) of turbomachines with an integral cooling structure (7) comprises: (A) preparing a wax pattern for the component; (B) inserting a ceramic core with an open-pored structure; (C) dipping the product in a ceramic slip; (D) drying to produce a mold; (E) heating the mold to remove the wax; (F) casting to produce the component; and (G) removing the ceramic core.

IPC 8 full level

**B22C 7/02** (2006.01); **B22C 9/04** (2006.01); **B23P 15/04** (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)

**B22C 7/02** (2013.01 - EP US); **B22C 7/023** (2013.01 - EP US); **B22C 9/04** (2013.01 - EP US); **B22C 9/043** (2013.01 - EP US); **F01D 5/18** (2013.01 - EP US); **F01D 5/183** (2013.01 - EP US); **F01D 5/186** (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F05D 2230/211** (2013.01 - EP US); **F05D 2300/606** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US); **F05D 2300/612** (2013.01 - EP US)

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**EP 1155760 A1 20011121**; **EP 1155760 B1 20060215**; DE 10024302 A1 20011122; DE 50108928 D1 20060420; DE 50114026 D1 20080724; EP 1645347 A1 20060412; EP 1645347 B1 20080611; US 2001042607 A1 20011122; US 6412541 B2 20020702

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