

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 B1 20080611 (DE)

Application

EP 05111586 A 20010412

Priority

- EP 01109115 A 20010412
- DE 10024302 A 20000517

Abstract (en)

[origin: EP1155760A1] Production of a cast part comprises preparing a wax model of the part to be cooled; preparing a polymer foam; immersing the foam and model into a ceramic material so the ceramic material encloses the model and the foam is filled with the ceramic material; drying the ceramic material to form a casting mold; removing the wax and the foam by heat treating; forming cast part using a conventional process; and removing the ceramic material.

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)

Cited by

EP2184449A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 01109115 A 20010412; DE 10024302 A 20000517; DE 50108928 T 20010412; DE 50114026 T 20010412; EP 05111586 A 20010412; US 83629701 A 20010418