

Title (en)

Process for manufacturing a cooled precision casting

Title (de)

Verfahren zur Herstellung eines gekühlten Feingussteils

Title (fr)

Procédé de fabrication d'une pièce coulée de précision refroidie

Publication

**EP 1193006 B1 20050831 (DE)**

Application

**EP 01115998 A 20010630**

Priority

DE 10038453 A 20000807

Abstract (en)

[origin: DE10038453A1] Production of a cooled cast part of a thermal turbo machine comprises applying a wax seal to an offset between a wax model a core before producing the casting mold, the offset being located above the step to the side of the core. Preferred Features: A cooling plate with cooling holes is soldered or welded to the surface of the step. A casting process for forming single crystalline directed or non-directed solidified cast parts is used.

IPC 1-7

**B22C 9/04**; **B22D 27/04**; **B22C 7/02**

IPC 8 full level

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

CPC (source: EP US)

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**DE 10038453 A1 20020221**; DE 50107262 D1 20051006; EP 1193006 A2 20020403; EP 1193006 A3 20030521; EP 1193006 B1 20050831; US 2002029863 A1 20020314; US 6435256 B1 20020820

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**DE 10038453 A 20000807**; DE 50107262 T 20010630; EP 01115998 A 20010630; US 92158701 A 20010806