

Title (en)

CASTING METHOD FOR PRODUCING A BLADE FOR A GAS TURBINE

Title (de)

GIESSVERFAHREN ZUR HERSTELLUNG EINER SCHAUFEL FÜR EINE GASTURBINE

Title (fr)

PROCÉDÉ DE COULÉE POUR PRODUIRE UNE AUBE DE TURBINE À GAZ

Publication

**EP 3421156 A1 20190102 (EN)**

Application

**EP 17179205 A 20170630**

Priority

EP 17179205 A 20170630

Abstract (en)

A casting method for producing a blade of a gas turbine, the method comprising the following steps: a) producing a pattern made of wax of the blade; b) covering the pattern with an outer shell made of slurry; c) heating the pattern covered by the outer shell for separating the wax from the outer shell; d) pouring a molten metal inside the outer shell; e) removing the outer shell from the inner solidified metal. wherein between the steps c) and d) the method comprises the additional step of inserting a filler element inside the outer shell; the filler element being made of a material suitable to go in solution when in contact with the molten metal poured inside the outer shell.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [Y] JP S55114452 A 19800903 - HITACHI LTD
- [Y] US 2004140078 A1 20040722 - LIU JIANXIN [US], et al
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Designated contracting state (EPC)

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Designated extension state (EPC)

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