

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)

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- [Y] US 2004140078 A1 20040722 - LIU JIANXIN [US], et al
- [A] US 5868194 A 19990209 - HORWOOD DOMINIC J [GB]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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