

Title (en)

Method of manufacturing a turbomachine part comprising cooling air outlets

Title (de)

Verfahren zur Herstellung eines Teils einer Strömungsmaschine, das Auslassöffnungen zur Kühlung umfasst

Title (fr)

Procédé de fabrication de pièce de turbomachine comportant des orifices d'évacuation d'air de refroidissement

Publication

EP 1813365 B1 20110518 (FR)

Application

EP 07101169 A 20070125

Priority

FR 0650292 A 20060127

Abstract (en)

[origin: EP1813365A1] The production of orifices (110) for the evacuation of cooling fluid in the wall (171) of a component fabricated by the lost wax foundry process with the formation of a wax model in a mould, the orifices incorporating a first portion (110E) emerging at the surface of the external wall (171ext), consists of: (A) making cavities in the wax model corresponding to the first portion of an orifice; (B) then machining in the component coming from the foundry of a second portion (110T) of an orifice, connecting the bottom of the first portion with the internal surface of the wall. An independent claim is also included for a turbine component obtained using this method.

IPC 8 full level

B22C 9/04 (2006.01)

CPC (source: EP US)

B22C 7/02 (2013.01 - EP US); **B22C 9/10** (2013.01 - EP US); **F01D 5/186** (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2250/324** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US); **Y10T 29/4932** (2015.01 - EP US); **Y10T 29/49341** (2015.01 - EP US); **Y10T 29/53613** (2015.01 - EP US); **Y10T 29/53617** (2015.01 - EP US); **Y10T 29/53635** (2015.01 - EP US)

Cited by

EP3012408A1; FR3053999A1; US11000925B2; EP3626388A1; EP3078807B1; EP3078807B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07101169 A 20070125; CA 2576709 A 20070126; CN 200710003226 A 20070129; FR 0650292 A 20060127; RU 2007103246 A 20070126; US 66819807 A 20070129