

Title (en)

CAST GAS TURBINE BLADE THAT IS FLOWN THROUGH BY A COOLANT AND DEVICE AND METHOD FOR PRODUCING A DISTRIBUTION CHAMBER FOR THE GAS TURBINE BLADE

Title (de)

KÜHLMITTELDURCHSTRÖMTE, GEGOSSENE GASTURBINENSCHAUFEL SOWIE VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES VERTEILERRAUMS DER GASTURBINENSCHAUFEL

Title (fr)

AUBE DE TURBINE A GAZ MOULEE PARCOURUE PAR UN REFRIGERANT, ET DISPOSITIF ET PROCEDE DE PRODUCTION D'UNE CHAMBRE DISTRIBUTRICE POUR L'AUBE DE TURBINE

Publication

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Application

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Abstract (en)

[origin: EP1041246A1] The invention relates to a cast gas turbine blade (1) that is flown through by a coolant. Said gas turbine blade (1) comprises a footing of the blades (2) which is provided with several supply channels (4) and a distribution chamber (5). A coolant can be fed to the supply channels (4) by means of a feeding channel (6) of the disc (3). The feeding channel (6) communicates with the supply channels (4) via the distribution chamber (5). The aim of the invention is to optimise the flow and the production of said gas turbine blade (1). To this end, a cast distribution chamber (5) is provided that has supply channels (4) which are provided with rounded or flattened admission openings (7). The cast distribution chamber (5) is produced by a one-piece casting core.

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