

Title (en)
Coolable airfoil

Title (de)
Kühlbare Schaufel

Title (fr)
Aube refroidie

Publication
EP 1584789 A1 20051012 (DE)

Application
EP 04008601 A 20040408

Priority
EP 04008601 A 20040408

Abstract (en)
The blade (1) has at least one cooling channel (2), through which coolant flow is into a surrounding cavity. The cooling channel is made so that they amount of coolant flowing through it can be controlled, depending on the temperature. The channel has at least one throttle point (6) which is variable, depending on the temperature.

Abstract (de)
Die Erfindung betrifft eine Schaufel (1) mit mindestens einem Kühlkanal (2), der strömungsausgangsseitig in einen Umgebungsraum mündet, wobei der Kühlkanal (2) derart ausgebildet ist, dass eine den Kühlkanal (2) durchströmende Kühlmediummenge temperaturabhängig steuerbar ist. Insbesondere ist der Kühlkanal (2) mit mindestens einer variablen von der Temperatur (T) des Kühlmediums abhängigen Drosselstelle (6) versehen.
<IMAGE>

IPC 1-7
F01D 5/18

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP)
F01D 5/187 (2013.01); **F05D 2300/50212** (2013.01); **F05D 2300/505** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 1584789 A1 20051012; EP 1584789 B1 20070606; DE 502004004022 D1 20070719

DOCDB simple family (application)
EP 04008601 A 20040408; DE 502004004022 T 20040408