

Title (en)  
Hollow turbine airfoil

Title (de)  
Hohle Turbinenschaufel

Title (fr)  
Aube creuse de turbine

Publication  
**EP 1757773 A1 20070228 (DE)**

Application  
**EP 05018595 A 20050826**

Priority  
EP 05018595 A 20050826

Abstract (en)  
The turbine blade (30) as a suction side profile wall (42) and a pressure side one (44). Hot gas flows over the bearer surface profile (36). There are support ribs (48) inside the blade, connecting the two walls in a connection region (50). A slot (56) is located in the profile wall on the hot gas side, opposite the connection region.

IPC 8 full level  
**F01D 5/14** (2006.01); **F01D 5/16** (2006.01)

CPC (source: EP US)  
**F01D 5/147** (2013.01 - EP US); **F01D 5/16** (2013.01 - EP US)

Citation (applicant)  
EP 1508399 A1 20050223 - SIEMENS AG [DE]

Citation (search report)  

- [DA] EP 1508399 A1 20050223 - SIEMENS AG [DE]
- [A] EP 1512489 A1 20050309 - SIEMENS AG [DE]
- [A] EP 1525942 A1 20050427 - SIEMENS AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08 30 June 1998 (1998-06-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)

Cited by  
EP2990598A1; EP3473431A1; EP2998507A1; US10287892B2; WO2016030449A1; US10844726B2; WO2016041761A1

Designated contracting state (EPC)  
CH DE ES GB IT LI

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AL BA HR MK YU

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 05018595 A 20050826**; CN 200610146372 A 20060825; DE 502005003344 T 20050826; ES 05018595 T 20050826; JP 2006228883 A 20060825; US 51023906 A 20060825