

Title (en)  
Turbine blade with cooling air baffle

Title (de)  
Turbinenschaufel mit K hlfl fteinrichtung

Title (fr)  
Aube pour turbine comportant un d flecteur d'air de refroidissement

Publication  
**EP 1251243 A1 20021023 (FR)**

Application  
**EP 02290964 A 20020417**

Priority  
FR 0105289 A 20010419

Abstract (en)  
The turbine blade (11), made with a root (13) that fits into a socket (14) of a disc (12) with internal air cooling, has a deflector (20) on the blade root comprising one or more fins to channel the air circulating in the lower part of the socket to regulate the air flow towards the intake (15). The deflector can be made as part of the blade, or a separate component attached to the root of the blade and having an access port (21) for the air intake in the form of a calibrated hole. The deflector fins can lie perpendicular or at an oblique angle to the general axis of the blade.

Abstract (fr)  
L'invention concerne une aube (11) pour turbine, l'aube pr sentant un pied (13) permettant de la rapporter dans une alv ole (14) d'un disque (12) de la turbine, l'aube poss dant un circuit interne de refroidissement par air comprenant des moyens d'entr e d'air (15) situ s sur le pied de l'aube et en regard de l'alv ole, et des moyens de sortie d'air. Le pied (13) de l'aube est pourvu de moyens (20) d'homog n sation de la pression et de la temp rature de l'air de refroidissement p n trant dans les moyens d'entr e d'air. <IMAGE>

IPC 1-7  
**F01D 5/08**; F01D 5/18; F01D 5/30

IPC 8 full level  
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**F01D 5/081** (2013.01 - EP US); **F01D 5/18** (2013.01 - EP US); **F01D 5/3007** (2013.01 - EP US)

Citation (search report)  
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