

Title (en)  
TURBINE ROTOR BLADE

Title (de)  
TURBINENROTORSCHAUFEL

Title (fr)  
PALE DE ROTOR DE TURBINE

Publication  
**EP 2230385 A1 20100922 (EN)**

Application  
**EP 09701788 A 20090108**

Priority  
• JP 2009050160 W 20090108  
• JP 2008006895 A 20080116

Abstract (en)  
It is possible to easily and rapidly slot a blade root of a final (last) turbine rotor blade into a blade groove on a turbine disc even when the plan-view shape of a shroud of the turbine rotor blade is complex. A turbine rotor blade (1) that is provided with a blade root (3) that is slotted into a blade groove formed on a circumferential portion of the turbine disc to hold the whole blade, a blade portion (4) that is exposed to high-temperature gas, a platform (5) that supports this blade portion (4), a shank (6) that connects the blade root (3) and the platform (5), and a shroud (7) that extends along the circumferential direction from the end of the blade portion (4) has a cut-out portion (8) cut out to a predetermined depth, either at the leading-edge or the trailing-edge of the blade root (3), along the lengthwise direction thereof from the end of the blade root (3) to an intermediate part of the shank (6).

IPC 8 full level  
**F01D 5/30** (2006.01)

CPC (source: EP US)  
**F01D 5/225** (2013.01 - EP US); **F01D 5/3007** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Cited by  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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AL BA RS

DOCDB simple family (publication)  
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