

Title (en)  
Turbine blade and fixation structure thereof

Title (de)  
Turbinenschaufel und Befestigungsstruktur dafür

Title (fr)  
Aube de turbine et structure de fixation correspondante

Publication  
**EP 2151545 B1 20170607 (EN)**

Application  
**EP 09167300 A 20090805**

Priority  
JP 2008204234 A 20080807

Abstract (en)  
[origin: EP2151545A2] Disclosed is a turbine rotor blade 40a, 40b that is highly manufacturable and capable of reducing the stress caused by centrifugal force. The turbine rotor blade 40a includes: a vane portion 3 having a blade leading edge 21 which is positioned upstream in the distribution direction of working fluid, and a blade trailing edge 22 which is positioned downstream of the blade leading edge 21; and a blade base 5 portion which is extended unidirectionally on a base side of the vane portion 3 and engaged with a blade groove 6 formed in the outer circumference of a turbine rotor 8. The turbine rotor 8 circumferential position of the end of the blade base portion 5 on the side toward the blade leading edge 21 is different from the turbine rotor 8 circumferential position of the end of the blade base portion 5 on the side toward the blade trailing edge 22.

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

CPC (source: EP KR US)  
**F01D 5/02** (2013.01 - KR); **F01D 5/14** (2013.01 - KR); **F01D 5/3007** (2013.01 - EP US); **F01D 5/3053** (2013.01 - EP US);  
**F01D 5/32** (2013.01 - KR); **F05D 2250/312** (2013.01 - EP US); **F05D 2260/941** (2013.01 - EP US)

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