

Title (en)  
Turbine blade retaining system

Title (de)  
Turbinenschaufelarretiervorrichtung

Title (fr)  
Dispositif pour la fixation d'aubes de turbine

Publication  
**EP 1584793 A3 20110202 (DE)**

Application  
**EP 05006648 A 20050324**

Priority  
DE 102004017193 A 20040407

Abstract (en)  
[origin: EP1584793A2] An elastic piece (5) has a portion arranged radially below the locking pin to pre-load the locking pin (4) in a radially outward direction and into the notch. The notch is provided on a bottom side of the root (3) of the blade and aligns with the locking groove (9) to which the locking pin is inserted.

IPC 8 full level  
**F01D 5/30** (2006.01); **B64C 27/48** (2006.01); **F01D 5/32** (2006.01)

CPC (source: EP US)  
**F01D 5/326** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Citation (search report)

- [X] US 3986779 A 19761019 - BECKERSHOFF WOLFGANG
- [I] US 4527952 A 19850709 - FORESTIER ALEXANDRE [FR], et al
- [X] US 4820127 A 19890411 - COHEN ALBERT [US], et al
- [A] EP 0597586 A1 19940518 - ROLLS ROYCE PLC [GB]

Cited by  
CN102817640A; EP2532835A3; US8764402B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1584793 A2 20051012; EP 1584793 A3 20110202; EP 1584793 B1 20120725**; DE 102004017193 A1 20051027;  
US 2005226729 A1 20051013; US 7442011 B2 20081028

DOCDB simple family (application)  
**EP 05006648 A 20050324**; DE 102004017193 A 20040407; US 10040405 A 20050407