

Title (en)

Turbine blade retaining system to axially lock a turbine blade

Title (de)

Turbinenschaufelarretiervorrichtung zur axialen Sicherung einer Turbinenschaufel

Title (fr)

Dispositif pour la fixation axiale d'aubes de turbine

Publication

EP 1584793 B1 20120725 (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)

Cited by

CN102817640A; EP2532835A3; US8764402B2

Designated contracting state (EPC)

DE FR GB

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