

Title (en)

Blade lock and method to make such a blade lock

Title (de)

Schaufelschloss und Verfahren zur Herstellung eines Schaufelschlusses

Title (fr)

Verrou pour aube de turbomachine et sa methode de fabrication

Publication

EP 1134359 B1 20050511 (DE)

Application

EP 01103910 A 20010217

Priority

DE 10012381 A 20000314

Abstract (en)

[origin: EP1134359A2] The turbine blades fit to form-lock in an undercut slot(2) in the rotor(1) and are fixed by a blade locking piece. The locking piece consists of an start point(7) in communication with the slot and in which a filling piece(8), form-locking with the blade root, and a key are fitted. The cross section of the start point accommodating the filling piece widens out conically starting from the blade slot. The cross section of the filling piece matches the cross section of the start point. An Independent claim is included for a procedure for the manufacture of the proposed blade lock.

IPC 1-7

F01D 5/32

IPC 8 full level

F01D 5/30 (2006.01); **F01D 5/32** (2006.01)

CPC (source: EP US)

F01D 5/3038 (2013.01 - EP US); **F01D 5/32** (2013.01 - EP US); **Y10S 416/50** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US)

Cited by

DE102010031213A1; ITCO20130002A1; US9422820B2; WO2014114589A1; WO2010031693A1; EP2410131A2; US8974186B2

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