

Title (en)

Locking device for turbomachine blades

Title (de)

Fixiervorrichtung für eine Beschaufelung einer Strömungsmaschine

Title (fr)

Dispositif de fixation des aubes de turbomachine

Publication

EP 1215367 B1 20061227 (DE)

Application

EP 01128574 A 20011130

Priority

DE 10062908 A 20001216

Abstract (en)

[origin: EP1215367A2] Fixing device for a blade mounting of a compressor or turbine stage of a gas turbine system comprises a wedge element (43) having at least one connecting element (45) for the side of a blade (31, 32). At least one of the two blades adjacent to the wedge element has a counter-contour (46) corresponding to the connecting element so that the wedge element and the blade engage with each other with a form-locking connection. Preferred Features: The connecting element and the corresponding counter-contour are designed as a dovetail joint.

IPC 8 full level

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

CPC (source: EP US)

F01D 5/3038 (2013.01 - EP US); **F01D 5/32** (2013.01 - EP US); **F01D 5/323** (2013.01 - US); **Y10T 29/37** (2015.01 - EP US); **Y10T 29/49321** (2015.01 - EP US); **Y10T 29/49323** (2015.01 - EP US)

Cited by

EP1698758A3; EP1457642A3; US7338258B2; US7367778B2; US7192256B2; WO2016195657A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 1215367 A2 20020619; **EP 1215367 A3 20040121**; **EP 1215367 B1 20061227**; DE 10134611 A1 20020627; DE 50111726 D1 20070208; US 2002127105 A1 20020912; US 6647602 B2 20031118

DOCDB simple family (application)

EP 01128574 A 20011130; DE 10134611 A 20010717; DE 50111726 T 20011130; US 99668301 A 20011130