

Title (en)

Retention of a blade with an asymmetric hammerhead foot using platform stiffeners

Title (de)

Feststellung der Schaufel mit asymmetrischem Hammerkopffuss mittels Versteifung der eingebauten Plattform

Title (fr)

Rétention d'une aube avec attache à pied de marteau dissymétrique à l'aide des raidisseurs de plates-formes

Publication

EP 1489266 B1 20070815 (FR)

Application

EP 04291450 A 20040610

Priority

FR 0307214 A 20030616

Abstract (en)

[origin: EP1489266A1] A blade (1) is held in a peripheral groove (7) of a disk (12). The blade has a platform (30) whose radially-outer face (30a) defines boundary of a gas flow stream and whose radially-inner face (30b) has upstream and downstream ribs (32,33). The ribs are arranged near upstream and downstream gasket-accommodation grooves (20,21). Thickness of downstream rib in axial direction is greater than that of upstream groove.

IPC 8 full level

F01D 5/10 (2006.01); **F01D 5/30** (2006.01); **F04D 29/34** (2006.01)

CPC (source: EP US)

F01D 5/3038 (2013.01 - EP US); **F05D 2240/80** (2013.01 - EP US)

Cited by

EP2282010A1; US8951016B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 1489266 A1 20041222; EP 1489266 B1 20070815; CA 2470073 A1 20041216; CA 2470073 C 20110816; DE 602004008153 D1 20070927; DE 602004008153 T2 20080515; ES 2291833 T3 20080301; FR 2856105 A1 20041217; FR 2856105 B1 20070525; JP 2005009492 A 20050113; JP 4227077 B2 20090218; RU 2004118078 A 20060110; RU 2333366 C2 20080910; UA 81901 C2 20080225; US 2004253113 A1 20041216; US 7080974 B2 20060725

DOCDB simple family (application)

EP 04291450 A 20040610; CA 2470073 A 20040615; DE 602004008153 T 20040610; ES 04291450 T 20040610; FR 0307214 A 20030616; JP 2004176735 A 20040615; RU 2004118078 A 20040615; UA 20040604706 A 20040615; US 86667804 A 20040615