

Title (en)

Assembly for the engine compressor of an aircraft comprising tilted-head hammer attachment vanes

Title (de)

Anordnung für den Verdichter eines Luftschiffmotors mit Schaufelrädern, befestigtem Hammer und geneigtem Fuss

Title (fr)

Ensemble pour compresseur de moteur d'aéronef comprenant des aubes à attache marteau à pied incliné

Publication

EP 1855011 B1 20100407 (FR)

Application

EP 07107900 A 20070510

Priority

FR 0651712 A 20060512

Abstract (en)

[origin: EP1855011A1] The assembly has a disk (2), and a set of vanes (6) mounted on the disk, where each vane has a blade (14) comprising a leading edge (20) and a leakage edge (22) circumferentially shifted from the edge (20). A vane foot comprises an upstream carrier surface (32) and a downstream carrier surface (34) that is located at the level of a side of the edge (22) of the blade. The disk has a circumferential slot (10) in which the vane foot is retained. The surface (34) is shifted circumferentially from the surface (32) along a given shifting direction (42), for each vane.

IPC 8 full level

F04D 29/32 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP US)

F01D 5/303 (2013.01 - EP US); **F01D 5/3038** (2013.01 - EP US); **F01D 5/3092** (2013.01 - EP US); **F04D 29/322** (2013.01 - EP US)

Cited by

US10247014B2; WO2014190008A1

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DOCDB simple family (publication)

EP 1855011 A1 20071114; **EP 1855011 B1 20100407**; **EP 1855011 B8 20100519**; CA 2587096 A1 20071112; CA 2587096 C 20140225; CN 101070858 A 20071114; CN 101070858 B 20120808; DE 602007005716 D1 20100520; FR 2900989 A1 20071116; FR 2900989 B1 20080711; JP 2007303469 A 20071122; JP 5386068 B2 20140115; RU 2007117687 A 20081120; RU 2430275 C2 20110927; US 2008170942 A1 20080717; US 7959410 B2 20110614

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