

Title (en)

BLADED INTEGRATED DISK COMPRISING A SHORTENED HUB AND A SUPPORTING ELEMENT

Title (de)

INTEGRAL BESCHAUFELTE SCHEIBE UMFASSEND EINE GEKÜRTZE NABE UND EIN TRÄGERELEMENT

Title (fr)

DISQUE AUBAGÉ MONOBLOC COMPORTANT UN MOYEU RACCOURCI ET UNE PIÈCE DE MAINTIEN

Publication

EP 3265654 B1 20190109 (FR)

Application

EP 16710261 A 20160301

Priority

- FR 1551736 A 20150302
- FR 2016050460 W 20160301

Abstract (en)

[origin: WO2016139416A1] The invention concerns a fan blisk (11) for a turbomachine, said blisk (11) comprising a hub (12) delimited by an upstream face (16) and a downstream face (17) in addition to an outer peripheral face (14) and a revolving inner peripheral face (15) delimiting an inner opening, said hub (12) carrying blades (13) each having a leading edge (18) and a trailing edge (19), the hub (12) and the blades (13) forming a one-piece assembly. The upstream face (16) and/or the downstream face (17) is offset, being located along the axis of rotation (AX) between the leading edges (18) and the trailing edges (19) of the blades (13), the bladed disk (11) comprising a filling member (21) mounted on the offset face, said filling member (21) comprising an inner centring ferrule (22) engaging in the inner face (15) of the hub, a radial portion (23) resting against the offset face and an outer ferrule (24) extending the outer peripheral face (15) of the hub.

IPC 8 full level

F01D 5/34 (2006.01)

CPC (source: CN EP RU US)

F01D 5/34 (2013.01 - CN EP RU US); **F05D 2220/36** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016139416 A1 20160909; BR 112017018228 A2 20180417; BR 112017018228 B1 20221108; CA 2977896 A1 20160909; CA 2977896 C 20230704; CN 107407156 A 20171128; CN 107407156 B 20190628; EP 3265654 A1 20180110; EP 3265654 B1 20190109; FR 3033359 A1 20160909; FR 3033359 B1 20170407; JP 2018510991 A 20180419; JP 6689286 B2 20200428; RU 2017133750 A 20190402; RU 2017133750 A3 20190826; RU 2716953 C2 20200317; US 10619495 B2 20200414; US 2018087389 A1 20180329

DOCDB simple family (application)

FR 2016050460 W 20160301; BR 112017018228 A 20160301; CA 2977896 A 20160301; CN 201680013480 A 20160301; EP 16710261 A 20160301; FR 1551736 A 20150302; JP 2017545622 A 20160301; RU 2017133750 A 20160301; US 201615554936 A 20160301