

Title (en)

Method and device for clamping bladed rotor discs of a jet engine

Title (de)

Vorrichtung und Verfahren zum Einspannen von beschaufelten Rotorscheiben eines Strahltriebwerkes

Title (fr)

Dispositif et procédé pour serrer des disques de rotor portant des aubes d'un moteur à réaction

Publication

EP 2011965 A3 20110511 (DE)

Application

EP 08158102 A 20080612

Priority

DE 102007031712 A 20070706

Abstract (en)

[origin: EP2011965A2] The device (3) has an axial compressor provided with a set of bladed rotor discs (4, 9), where rotor discs are formed as bladed discs (6) at an inlet side of the compressor. The bladed discs form a one-piece design of the rotor discs with rotating blades (5), which are distributed at circumference of the discs. The bladed discs are detachably clamped by a tie rod (12), separate the rotor discs, and are firmly connected with each other independent of the tie rod. The tie rod is arranged within central openings (8) in the bladed discs. An independent claim is also included for a method for clamping bladed rotor discs of a turbo-jet engine.

IPC 8 full level

F01D 5/06 (2006.01)

CPC (source: EP US)

F01D 5/025 (2013.01 - EP US); **F01D 5/066** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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US 2009016886 A1 20090115; US 8152471 B2 20120410

DOCDB simple family (application)

EP 08158102 A 20080612; DE 102007031712 A 20070706; US 21645808 A 20080703