

Title (en)

Rotor blade for a ninth phase of a compressor

Title (de)

Rotorblatt für die neunte Phase eines Kompressors

Title (fr)

Pale de rotor de la neuvième phase d'un compresseur

Publication

EP 1826413 A3 20100922 (EN)

Application

EP 07103096 A 20070227

Priority

IT MI20060341 A 20060227

Abstract (en)

[origin: EP1826413A2] The invention relates to a blade (10) of a rotor of a ninth phase of a compressor, which can be defined by coordinates of a discreet combination of points, in a Cartesian reference system (X,Y,Z), wherein the axis (Z) is a radial axis intersecting the central axis of the compressor, said blade (10) having a profile which can be identified by means of a series of closed intersection curves between the profile itself and planes (X,Y) lying at distances (Z) from the central axis, said blade (10) also comprising a thickening (30), substantially parallel to a base portion (12) of the blade (10) itself, fixable to said rotor, said thickening (30) being substantially situated half-way up the blade (10) and being suitable for shifting the natural resonance frequencies of the blade (10) itself outside a functioning frequency range of said rotor.

IPC 8 full level

F04D 29/32 (2006.01); **F01D 5/16** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP KR)

F04D 29/32 (2013.01 - KR); **F04D 29/324** (2013.01 - EP); **F04D 29/38** (2013.01 - KR); **F04D 29/666** (2013.01 - EP)

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 HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1826413 A2 20070829; EP 1826413 A3 20100922; EP 1826413 B1 20111102; AT E531944 T1 20111115; CA 2579387 A1 20070827; CA 2579387 C 20151020; CN 101029647 A 20070905; CN 101029647 B 20141126; IT MI20060341 A1 20070828; JP 2007231946 A 20070913; JP 5314852 B2 20131016; KR 101433373 B1 20140826; KR 20070089080 A 20070830; NO 20071076 L 20070828

DOCDB simple family (application)

EP 07103096 A 20070227; AT 07103096 T 20070227; CA 2579387 A 20070222; CN 200710084354 A 20070227; IT MI20060341 A 20060227; JP 2007047168 A 20070227; KR 20070019107 A 20070226; NO 20071076 A 20070226