

Title (en)

Set of fixed sectorised diffuser inserts for a turbomachine compressor

Title (de)

Anordnung von Statorsektoren für einen Verdichter eines Turbotriebwerks

Title (fr)

Ensemble de redresseurs fixes sectorise pour un compresseur de turbomachine

Publication

EP 1811131 A3 20080924 (FR)

Application

EP 07290031 A 20070110

Priority

FR 0600616 A 20060124

Abstract (en)

[origin: EP1811131A2] The synchronizing ring for a turbine compressor comprises coaxial internal (20) and external (52) shells, between which radial blades (24) are mounted. A collar (56) on the external shell allows the ring to be attached to a frame. The leading (26) or trailing (28) edges of the blades are attached to areas on the external shell which are less rigid than those connected to the collar.

IPC 8 full level

F01D 9/04 (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

F01D 9/041 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F04D 29/542** (2013.01 - EP US); **F05D 2230/53** (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 1811131 A2 20070725; **EP 1811131 A3 20080924**; **EP 1811131 B1 20170517**; FR 2896548 A1 20070727; FR 2896548 B1 20110527; RU 2007102521 A 20080727; RU 2439338 C2 20120110; US 2007172349 A1 20070726; US 7946811 B2 20110524

DOCDB simple family (application)

EP 07290031 A 20070110; FR 0600616 A 20060124; RU 2007102521 A 20070123; US 62596707 A 20070123