

Title (en)
Rotating unit for an axial compressor

Title (de)
Rotierende Einheit für einen Axialkompressor

Title (fr)
Unité rotative pour un compresseur axial

Publication
EP 2113637 A3 20150401 (DE)

Application
EP 09004275 A 20090325

Priority
DE 102008021683 A 20080430

Abstract (en)
[origin: EP2113637A2] The compressor has a stator blade row comprising a blade (8) that is designed as a rotating unit (6), where the rotating unit has a drive shaft (10) and supported in a housing (2). The rotating unit is rotatable completely around a drive axis (26) of the blade by a drive (11) and the drive shaft, where the drive axis is aligned perpendicular to a rotational axis (27) of the axial compressor. The blade is connected with a tilting motor, and a bar leads from the housing to an inner shroud to form a closed area with the blade for the compression of gas.

IPC 8 full level
F04D 19/02 (2006.01); **F04D 29/56** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)
F01D 17/162 (2013.01 - EP US); **F04D 19/02** (2013.01 - EP US); **F04D 23/006** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US); **F04D 29/442** (2013.01 - EP US)

Citation (search report)

- [X] DE 3731902 A1 19890406 - MTU MUENCHEN GMBH [DE]
- [X] CH 288242 A 19530115 - ROLLS ROYCE [GB]
- [X] DE 2948530 A1 19800619 - GEN ELECTRIC
- [A] DE 1003512 B 19570228 - POWER JETS RES & DEV LTD

Cited by
EP3109408A1; EP3064719A1; CN102777410A; US10344616B2

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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EP 09004275 A 20090325; DE 102008021683 A 20080430; US 45313109 A 20090429