

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 A2 20091104 (DE)**

Application

**EP 09004275 A 20090325**

Priority

DE 102008021683 A 20080430

Abstract (en)

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.

Abstract (de)

Die Erfindung betrifft einen Axialkompressor mit mindestens einer Statorschaufelreihe (18), dadurch gekennzeichnet, dass mindestens eine Schaufel (8) der Statorschaufelreihe (18) als eine rotierende Einheit (6) ausgebildet ist, wobei die rotierende Einheit (6) vollständig um eine Antriebsachse (26) rotierbar ist, und wobei die Antriebsachse (26) im Wesentlichen senkrecht zu einer Axialkompressorrotationsachse (27) ist.

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 (applicant)

GB 978658 A 19641223 - ROLLS ROYCE

Cited by

EP3109408A1; EP3064719A1; CN102777410A; US10344616B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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