

Title (en)
Drive for a pre-twist guide device

Title (de)
Antrieb für Vordrall-Leitvorrichtung

Title (fr)
Engrenage pour dispositif de conduite à prérotation

Publication
EP 2006494 A1 20081224 (DE)

Application
EP 07110647 A 20070620

Priority
EP 07110647 A 20070620

Abstract (en)
The compressor has a suction area that is sealed to an actuator (50) of a prerotation-guiding device, where the sealing takes place by an dip tube (54) that is movable tangential to an adjusting ring (30) of the guiding device. The adjusting ring adjusts a guiding blade (20) of the guiding device, where the actuator drives the adjusting ring and is designed as a stepper motor. A threaded spindle (52) engages in a spindle groove that is secured to the element. The adjusting ring is driven by a sliding pin (41) having milled grooves that are arranged in parallel.

Abstract (de)
Die Gewindespindel (52) greift in eine Spindelmutter (53) ein, welche an einem translatorisch verschiebbaren Element (54) befestigt ist. Durch Drehen der Spindel wird das Element in die gewünschte Position geschoben. Der Antrieb des Verstellrings (30) erfolgt über einen Gleitstift (41) mit parallel angeordneten Anfräsungen welcher drehbar in den beiden Laschen (33) des Nutringes gelagert wird.

IPC 8 full level
F01D 17/16 (2006.01); **F02C 6/12** (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP)
F01D 17/162 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/462** (2013.01); **F05D 2220/40** (2013.01); **F05D 2250/51** (2013.01); **F05D 2260/76** (2013.01)

Citation (search report)
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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