

Title (en)
ROTATING-SLIDE VACUUM PUMP OR COMPRESSOR OF BLOCK DESIGN HAVING A DISC-ROTOR SYNCHRONOUS MOTOR WHICH IS MOUNTED ON FLYING BEARINGS

Title (de)
DREHSCHIEBER-VAKUUMPUMPE BZW. -VERDICHTER IN BLOCKBAUWEISE MIT FLIEGEND GELAGERTEM SCHEIBENLÄUFER-SYNCHRONMOTOR

Title (fr)
COMPRESSEUR OU POMPE À VIDE MONOBLOC À PALETTES ROTATIVES, AVEC MOTEUR SYNCHRONE À ROTOR À DISQUE MONTÉ EN PORTE-À-FAUX

Publication
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Application
EP 07786671 A 20070813

Priority
• EP 2007007151 W 20070813
• DE 102006039958 A 20060825

Abstract (en)
[origin: WO2008022726A1] In a rotating-slide vacuum pump or compressor having a rotor (6) which can rotate in a housing (2) and is driven by a drive shaft, and having slides (8) which can be moved outwards in the circumferential direction herein in slots (7) in the rotor (6) and separate individual feed chambers of a working area (9), which is provided with an intake opening (1) and an outlet opening, from one another, and each assume a maximum outer position adjacent to the housing inner wall, driven by centrifugal force, the arrangement is designed such that a brushless disc-rotor synchronous motor (11, 12) is fitted in the axial direction to the rotor shaft.

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CPC (source: EP US)
F04C 29/0085 (2013.01 - EP US); **H02K 7/14** (2013.01 - EP US); **F04C 18/344** (2013.01 - EP US); **F04C 29/026** (2013.01 - EP US); **H02K 21/24** (2013.01 - EP US)

Citation (search report)
See references of WO 2008022726A1

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