

Title (en)

Vacuum pump with pump rotor bearings on a single side

Title (de)

Vakuumpumpe mit einseitiger Lagerung der Pumpenrotoren

Title (fr)

Pompe à vide avec des paliers disposés à un côté

Publication

EP 2642127 B1 20190109 (DE)

Application

EP 13002962 A 20110606

Priority

- EP 13002962 A 20110606
- EP 11004566 A 20110606

Abstract (en)

[origin: EP2532895A1] The pump i.e. screw pump (1), has a motor stator (12) with windings surrounding two magnetized cylinders (11, 11') and producing magnetic fields such that the cylinders and rotor shafts (6, 6') rotate synchronously along opposite directions. A bearing (13) i.e. fixed bearing, of the shafts is provided on a drive part (3). The bearing is not provided on a side of a suction chamber (7") remote from the drive part. A pressure side of a screw pump assembly (2) rests on the side of the chamber turned toward the drive part. The bearing and the drive part stay under atmospheric pressure.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN103062057A; WO2021197704A1; EP3674551B1

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