

Title (en)

Lubricant sealed rotary slide vacuum pump

Title (de)

Schmiermittelgedichtete Drehschiebervakuumpumpe

Title (fr)

Pompe à vide à palettes étanchéifiée à l'aide de lubrifiants

Publication

EP 1936200 A3 20091216 (DE)

Application

EP 07022562 A 20071121

Priority

DE 102006058837 A 20061213

Abstract (en)

[origin: EP1936200A2] A lubricant-sealed rotary vane vacuum pump and motor has a pump stage located within a housing, a safety valve, a lubricant pump with an inlet and outlet, an external lubricant reservoir and hydraulic line. The lubricant delivered through the line opens the safety valve. The line from the lubricant pump to the safety valve has a branch line allowing lubricant under pressure to flow into the lubricant reservoir.

IPC 8 full level

F04C 18/344 (2006.01)

CPC (source: EP US)

F04C 11/001 (2013.01 - EP US); **F04C 18/3442** (2013.01 - EP US); **F04C 27/02** (2013.01 - EP US); **F04C 29/0085** (2013.01 - EP US); **F04C 29/06** (2013.01 - EP US)

Citation (search report)

- [DA] DE 102004024554 A1 20051215 - PFEIFFER VACUUM GMBH [DE]
- [A] DE 4443387 C1 19960118 - SASKIA HOCHVAKUUM UND LABORTECH [DE]
- [A] DE 3825690 A1 19890223 - HITACHI LTD [JP]
- [A] US 5232355 A 19930803 - FUJII KOZABURO [JP], et al
- [A] US 4968223 A 19901106 - DA COSTA CAIO M F N [BR]

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CN105889071A; EP3156653A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07022562 A 20071121; DE 102006058837 A 20061213; JP 2007320604 A 20071212; US 189207 A 20071212