

Title (en)

Sliding vane vacuum pump with an oil relief valve

Title (de)

Flügelzellen-Vakuumpumpe mit einem Öl-Entlastungsventil

Title (fr)

Pompe à vide à palettes avec une soupape d'évacuation d'huile

Publication

**EP 2249041 A3 20140813 (EN)**

Application

**EP 10160926 A 20100423**

Priority

GB 0907607 A 20090501

Abstract (en)

[origin: EP2249041A2] A sliding vane vacuum pump includes a casing (10) having a cover which together define a cavity (12), a rotor and a vane slidably mounted to said rotor. The pump further includes an inlet passage (24) extending from the exterior of the pump to the cavity (12) and an outlet passage (20) extending from the cavity (12) to the exterior of the pump. The pump further includes an oil relief arrangement operable to vent lubricating oil to the exterior of the pump in the event of reverse rotation of the rotor and vane.

IPC 8 full level

**F04C 18/344** (2006.01); **F04C 28/06** (2006.01); **F04C 28/28** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)

**F04C 28/06** (2013.01); **F04C 28/28** (2013.01); **F04C 29/028** (2013.01); **F04C 18/344** (2013.01); **F04C 2270/58** (2013.01); **F04C 2270/70** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 10160926 A 20100423**; CN 201020186145 U 20100430; EP 14191836 A 20100423; GB 0907607 A 20090501