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)

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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)

EP 2249041 A2 20101110; **EP 2249041 A3 20140813**; **EP 2249041 B1 20180530**; CN 201851360 U 20110601; EP 2853747 A1 20150401; GB 0907607 D0 20090610

DOCDB simple family (application)

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