

Title (en)

VACUUM PUMP, AND METHOD FOR OPERATING A VACUUM PUMP

Title (de)

VAKUUMPUMPE SOWIE VERFAHREN ZUM BETREIBEN EINER VAKUUMPUMPE

Title (fr)

POMPE À VIDE AINSI QUE PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE POMPE À VIDE

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Application

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Abstract (en)

[origin: WO2014198524A1] The invention relates to a vacuum pump, particularly a rotary vane pump, having a pump housing (10) which is arranged in a suction chamber (12). A conveying element (14, 16) is arranged in the suction chamber (12). According to the invention, there is a non-return valve (28) at an inlet (22) of the suction chamber (12). To close the non-return valve (28) in the case of prevailing low pressures in the region of the inlet (22), a fluid device (36) is arranged adjacent to a spiral spring (34). Upon deactivation of the vacuum pump, a switch piston (40) is moved to a position in which fluid flows through the feed channel (42) into the connection channel (38), so that the non-return valve (28) closes via the flowing into the inlet channel (42).

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