

Title (en)
VACUUM PUMP WITH SEPARATELY CONTROLLABLE FAN

Title (de)
VAKUUMPUMPE MIT SEPARAT ANSTEUERBAREM LÜFTER

Title (fr)
POMPE À VIDE AVEC VENTILATEUR COMMANDABLE SÉPARÉMENT

Publication
EP 4043733 A2 20220817 (DE)

Application
EP 22179625 A 20220617

Priority
EP 22179625 A 20220617

Abstract (en)
[origin: JP2023184405A] To provide an idea of a fan for a vacuum pump, especially for a rotary vane vacuum pump, which includes: at least one pump stage 56 capable of reducing time and effort for maintenance of a vacuum pump, at that time, contributing to cooling of the vacuum pump independently from pump operation; and a first electric motor 50 connected to the pump stage to drive it. SOLUTION: A vacuum pump includes at least one fan 66 for cooling the vacuum pump which is driven by a second electric motor 68. SELECTED DRAWING: Figure 4

Abstract (de)
Die vorliegende Erfindung betrifft eine Vakuumpumpe, insbesondere eine Drehschieber-Vakuumpumpe, mit zumindest einer Pumpstufe (56) und einem ersten Elektromotor (50), der antriebswirksam mit der Pumpstufe (56) verbunden ist. Die Vakuumpumpe verfügt ferner über zumindest einen von einem zweiten Elektromotor (68) angetriebenen Lüfter (66), mittels dessen sich die Vakuumpumpe kühlen lässt.

IPC 8 full level
F04C 25/02 (2006.01); **F01C 21/00** (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR)
F01C 21/007 (2013.01 - EP); **F04C 11/005** (2013.01 - KR); **F04C 18/344** (2013.01 - KR); **F04C 23/02** (2013.01 - KR); **F04C 25/02** (2013.01 - EP KR); **F04C 29/005** (2013.01 - EP); **F04C 29/0085** (2013.01 - EP KR); **F04C 29/04** (2013.01 - EP KR); **F04C 29/06** (2013.01 - KR); **F04D 25/166** (2013.01 - KR); **F04D 29/053** (2013.01 - KR); **F04C 18/344** (2013.01 - EP); **F04C 2220/10** (2013.01 - KR); **F04C 2240/40** (2013.01 - EP); **F04C 2240/402** (2013.01 - EP); **F04C 2240/60** (2013.01 - EP); **F04C 2240/808** (2013.01 - EP); **F04C 2270/86** (2013.01 - EP)

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4043733 A2 20220817; **EP 4043733 A3 20230104**; **EP 4043733 B1 20240327**; JP 2023184405 A 20231228; JP 7450015 B2 20240314; KR 20230173574 A 20231227

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EP 22179625 A 20220617; JP 2022211122 A 20221228; KR 20230010929 A 20230127