

Title (en)

VACUUM PUMP AND METHOD FOR OPERATING THE SAME

Title (de)

VAKUUMPUMPE UND VERFAHREN ZUM BETREIBEN DERSELBEN

Title (fr)

POMPE À VIDE ET PROCÉDÉ DE FONCTIONNEMENT D'UNE TELLE POMPE À VIDE

Publication

EP 3557071 B1 20210922 (DE)

Application

EP 18167557 A 20180416

Priority

EP 18167557 A 20180416

Abstract (en)

[origin: JP2019183831A] To provide a vacuum pump capable of maintaining a desired temperature with high accuracy, and at the same time capable of operating with low effort.SOLUTION: A vacuum pump, in particular a turbomolecular pump (111), has at least one pump component (225), a heater (227) for heating the pump component (225), and a sensor (229) for detecting a measurement value of a pump drive unit. At that time, the sensor (229) is provided independently of the heater (227), and the heater (227) is configured for operation depending on the measurement value detected by the sensor (229).SELECTED DRAWING: Figure 1

IPC 8 full level

F04D 19/04 (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)

F04D 19/042 (2013.01); **F04D 27/001** (2013.01); **F04D 27/02** (2013.01); **F04D 27/0284** (2013.01); **F04D 29/584** (2013.01)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3557071 A1 20191023; **EP 3557071 B1 20210922**; JP 2019183831 A 20191024

DOCDB simple family (application)

EP 18167557 A 20180416; JP 2019041548 A 20190307