

Title (en)
VACUUM PUMP APPARATUS

Title (de)
VAKUUMPUMPENVORRICHTUNG

Title (fr)
APPAREIL DE POMPE À VIDE

Publication
EP 4177465 A1 20230510 (EN)

Application
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Priority
JP 2021182249 A 20211109

Abstract (en)
A vacuum pump apparatus capable of maintaining an inside of a rotor chamber (1) of a pump casing (2) at a high temperature and capable of being easily attached and removed a heater (70A,70B) is disclosed. The vacuum pump apparatus includes: a pump casing (2); a pump rotor (5) arranged in the rotor chamber; a rotation shaft (7) to which the pump rotor is fixed; an electric motor (8) coupled to the rotation shaft; a side cover (10a, 10B) forming an end surface of the rotor chamber; a housing structure located outwardly of the side cover in an axial direction of the rotation shaft; and a cartridge heater (70A, 70B) disposed in the side cover and removably attached to the side cover or the pump casing. The cartridge heater has a heater and a heater casing (71) covering at least a part of the heater, and the heater casing has a slit (72A) extending from one end to other end thereof.

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Citation (applicant)
• JP 2003035290 A 20030207 - EBARA CORP
• JP 2021063503 A 20210422 - EBARA CORP

Citation (search report)
• [XAI] WO 2020255300 A1 20201224 - KASHIYAMA IND LTD [JP]
• [AD] JP 2021063503 A 20210422 - EBARA CORP
• [AD] JP 2003035290 A 20030207 - EBARA CORP

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