

Title (en)  
VACUUM PUMP APPARATUS

Title (de)  
VAKUUMPUMPENGERÄT

Title (fr)  
APPAREIL DE POMPE À VIDE

Publication  
**EP 4067658 A2 20221005 (EN)**

Application  
**EP 22164110 A 20220324**

Priority  
JP 2021054585 A 20210329

Abstract (en)  
A vacuum pump apparatus capable of preventing a decrease in temperature of a pump casing due to heat transfer, and capable of maintaining a high temperature in a rotor chamber is disclosed. A side cover is provided between a pump casing and a motor housing. The side cover includes an inner wall portion forming an end surface of the rotor chamber, an outer wall portion located outwardly of the inner wall portion, and a narrow portion located between the inner wall portion and the outer wall portion. The inner wall portion, the outer wall portion, and the narrow portion are an integrally-formed structure, and the narrow portion has a cross-sectional area smaller than cross-sectional areas of the inner wall portion and the outer wall portion.

IPC 8 full level  
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Citation (applicant)  
• JP 2003035290 A 20030207 - EBARA CORP  
• JP 2012251470 A 20121220 - EBARA CORP

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

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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**EP 22164110 A 20220324**; CN 202210304826 A 20220323; JP 2021054585 A 20210329; KR 20220035782 A 20220323; TW 111110862 A 20220323