

Title (en)
METHOD FOR HEATING A ROTOR OF A VACUUM PUMP

Title (de)
VERFAHREN ZUM ERWÄRMEN EINES ROTORS EINER VAKUUMPUMPE

Title (fr)
PROCÉDÉ DE CHAUFFAGE D'UN ROTOR D'UNE POMPE À VIDE

Publication
EP 3441617 B1 20191225 (DE)

Application
EP 17185534 A 20170809

Priority
EP 17185534 A 20170809

Abstract (en)
[origin: JP2019031969A] To provide a method of heating a rotor of a vacuum pump, that is, a method of heating the rotor to a temperature high enough for bake-out, and not requiring additional feed of a gas into vacuum equipment.SOLUTION: In a method of heating a rotor (17) in a vacuum pump (11), in particular, in a turbo molecular pump (11), the vacuum pump has the rotor (17) operated by an electric motor (19), and a temperature of the rotor is kept in an ambient temperature zone in a first operation situation of the vacuum pump. In a second operation situation, eddy current is generated in the rotor (17) so that the rotor (17) is heated to a desired temperature over the ambient temperature.SELECTED DRAWING: Figure 3

IPC 8 full level
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CPC (source: EP)
F04D 19/04 (2013.01); **F04D 29/584** (2013.01)

Citation (examination)
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