

Title (en)
SCREW VACUUM PUMP

Title (de)
SCHRAUBENVAKUUMPUMPE

Title (fr)
POMPE À VIDE À VIS

Publication
EP 3499039 B1 20210331 (DE)

Application
EP 17207576 A 20171215

Priority
EP 17207576 A 20171215

Abstract (en)
[origin: JP2019113064A] To improve temperature situation of a screw-type vacuum pump.SOLUTION: A screw-type vacuum pump (10) has a housing (16), and two screw rotors (28, 30) disposed in the housing (16) in a state of being engaged with each other. The screw-type rotors repeatedly form a conveyance amount in which a process gas is enclosed to convey the same to a direction of an outlet (24) while interacting with the housing (16). The screw-type vacuum pump (10) has a motor (12), the motor is formed as a direct driving portion for one of the screw-type rotors (28), and an active fluid cooling portion is disposed for the screw-type rotors (28, 30) and the motor (12).SELECTED DRAWING: Figure 1

IPC 8 full level
F04C 18/16 (2006.01); **F04C 25/02** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP)
F04C 18/16 (2013.01); **F04C 25/02** (2013.01); **F04C 29/045** (2013.01); **F04C 2240/403** (2013.01)

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