

Title (en)
Vacuum pump

Title (de)
Vakuumpumpe

Title (fr)
Pompe à vide

Publication
EP 1510697 B1 20060503 (FR)

Application
EP 04292018 A 20040809

Priority
FR 0310282 A 20030829

Abstract (en)
[origin: EP1510697A1] The pump has a motor (7) that is inserted inside a cavity (5c) of a molecular rotor (5a) of a molecular pumping stage (5). The motor permits a rotation speed higher than 20000 revolutions per minute, such that electrical power density is high. An upstream end (8b) of a crank shaft (8) is coupled to the rotor and a downstream zone (8b) of the shaft is connected to the primary rotor (9a).

IPC 8 full level
F04D 19/04 (2006.01); **F04D 23/00** (2006.01)

CPC (source: EP US)
F04D 17/168 (2013.01 - EP US); **F04D 19/046** (2013.01 - EP US); **F04D 23/008** (2013.01 - EP US)

Cited by
FR3093544A1; CN113518863A; WO2020178042A1

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DOCDB simple family (publication)
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DE 602004000798 T2 20070816; FR 2859250 A1 20050304; FR 2859250 B1 20051111; JP 2005076631 A 20050324;
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US 91944704 A 20040817