

Title (en)
Vacuum pump and its operating method

Title (de)
Vakuumpumpe und Verfahren zum Betrieb

Title (fr)
Pompe à vide et procédé de son fonctionnement

Publication
EP 2071186 B1 20171122 (DE)

Application
EP 08020360 A 20081122

Priority
DE 102007059938 A 20071212

Abstract (en)
[origin: EP2071186A2] The vacuum pump (1) has end pump stages (2) with a gas ballast inlet that is locked by a valve (9) i.e. magnetic valve, and a cooling device (7). An operating electronics (8) is provided for controlling a cooling rate of the cooling device. A temperature sensor (13) is connected with the operating electronics. A selecting unit (12) is connected with the operating electronics for providing choices for selecting different operating methods of the operating electronics. The cooling device has a ventilator for regulating the cooling rate from a default value. An independent claim is also included for a method for operating a vacuum pump.

IPC 8 full level
F04B 25/00 (2006.01); **F04B 37/14** (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP)
F04B 25/00 (2013.01); **F04B 37/14** (2013.01); **F04B 49/065** (2013.01); **F04B 2205/112** (2013.01)

Citation (examination)
US 4268230 A 19810519 - BASSAN BENJAMIN

Cited by
CN102280965A; CN111734615A; EP3434905A1; CN112032021A; EP3916225A3; CN104019035A; EP4043733A3

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DOCDB simple family (application)
EP 08020360 A 20081122; DE 102007059938 A 20071212; JP 2008312968 A 20081209