

Title (en)
Vacuum pump

Title (de)
Vakuumpumpe

Title (fr)
Pompe à vide

Publication
EP 0855517 A3 19990707 (DE)

Application
EP 98100372 A 19980112

Priority
DE 19702456 A 19970124

Abstract (en)
[origin: EP0855517A2] The pump has a high vacuum section (1), a pre-vacuum section (2), and a drive and bearing section (3). The three sections are formed and positioned relative to each other, so that they can be subjected to different thermal loads. At least two of the sections are thermally isolated from each other. Isolation is achieved by free turnings (15,16,17) between components, so that contact between them is reduced to a minimum, or by parts (18,19,20) of low heat-conductivity, which form the required contact faces. The high vacuum section has a cooler (21) or heater (23), and the drive and bearing section has a cooler (22) or a heater (24).

IPC 1-7
F04D 29/58; **F04D 19/04**

IPC 8 full level
F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)
F04D 19/04 (2013.01); **F04D 25/06** (2013.01); **F04D 29/5806** (2013.01); **F04D 29/584** (2013.01); **F04D 29/5853** (2013.01); **F04D 29/056** (2013.01); **F05D 2260/607** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0855517 A2 19980729; **EP 0855517 A3 19990707**; **EP 0855517 B1 20031008**; AT E251722 T1 20031015; DE 19702456 A1 19980730; DE 19702456 B4 20060119; DE 59809829 D1 20031113; JP 4235273 B2 20090311; JP H10205486 A 19980804

DOCDB simple family (application)
EP 98100372 A 19980112; AT 98100372 T 19980112; DE 19702456 A 19970124; DE 59809829 T 19980112; JP 35053397 A 19971219