

Title (en)
Turbomolecular pump

Title (de)
Turbomolekularpumpe

Title (fr)
Pompe turbomoléculaire

Publication
EP 0943807 A1 19990922 (FR)

Application
EP 99400484 A 19990301

Priority
FR 9803191 A 19980316

Abstract (en)
The rotor (1) for the turbo-molecular pump is located within a casing (3), which has one inlet (10) for aspiration and an outlet (8) for delivery. A valve (11) is fitted on the inlet and consists of a valve mechanism (12), fitted into an envelope (13). The envelope is produced so as to be a single piece with the casing of the pump.

Abstract (fr)
Pompe turbomoléculaire (1) comprenant un rotor (2) logé à l'intérieur d'un carter (3) comportant une entrée (10) pour l'aspiration, et une sortie (8) pour le refoulement, ladite pompe étant associée, à son entrée, à une vanne (11) comportant un mécanisme de vanne (12) à l'intérieur d'une enveloppe (13), caractérisée en ce que ladite enveloppe (13) de la vanne est monobloc avec ledit carter (3) de la pompe. <IMAGE>

IPC 1-7
F04D 19/04; **F04D 17/16**

IPC 8 full level
F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F16K 3/16** (2006.01)

CPC (source: EP US)
F04D 17/168 (2013.01 - EP US); **F04D 19/04** (2013.01 - EP US); **F04D 27/0292** (2013.01 - EP)

Citation (search report)

- [A] EP 0397051 A1 19901114 - TOSHIBA KK [JP], et al
- [A] EP 0332107 A1 19890913 - TOSHIBA KK [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 249 (M - 1604) 12 May 1994 (1994-05-12)

Cited by
EP2746585A1

Designated contracting state (EPC)
CH DE GB IT LI NL

DOCDB simple family (publication)
EP 0943807 A1 19990922; **EP 0943807 B1 20030820**; DE 69910475 D1 20030925; DE 69910475 T2 20040617; FR 2776029 A1 19990917; FR 2776029 B1 20000623; JP H11303791 A 19991102; US 6186749 B1 20010213

DOCDB simple family (application)
EP 99400484 A 19990301; DE 69910475 T 19990301; FR 9803191 A 19980316; JP 5108499 A 19990226; US 26672999 A 19990312