

Title (en)
Turbo-molecular pump

Title (de)
Turbomolekularpumpe

Title (fr)
Pompe turbo-moléculaire

Publication
EP 1130269 A3 20021030 (DE)

Application
EP 01102551 A 20010206

Priority
DE 10010371 A 20000302

Abstract (en)
[origin: EP1130269A2] Pump has rotor (4) and stator (6) plates arranged alternately in series and distance rings (8) for stator plates forming stator packet with stator plates. An elastically deformable metal element (16) is arranged between at least two of distance rings and forms part of stator packet. An axial groove (14) machined into at least no distance ring accommodates an elastically deformable metal element.

IPC 1-7
F04D 19/04; **F04D 29/54**

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP US)
F04D 19/042 (2013.01 - EP US)

Citation (search report)
• [A] US 3749528 A 19730731 - ROUSSEAU M, et al
• [A] EP 0478882 A1 19920408 - LEYBOLD AG [DE]
• [A] US 3189264 A 19650615 - WILLI BECKER
• [AD] EP 0540970 A1 19930512 - CIT ALCATEL [FR]
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 071 (M - 202) 24 March 1983 (1983-03-24)

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EP3032107A3; DE102007048703A1; EP2607706A3; US8562293B2; EP3497337B1

Designated contracting state (EPC)
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EP 1130269 A2 20010905; EP 1130269 A3 20021030; EP 1130269 B1 20060913; DE 10010371 A1 20010906; DE 50110975 D1 20061026; JP 2001271786 A 20011005; US 2001019694 A1 20010906; US 6454525 B2 20020924

DOCDB simple family (application)
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