

Title (en)

Gas friction pump

Title (de)

Gasreibungspumpe

Title (fr)

Pompe à effet visqueux

Publication

EP 1205667 B1 20090114 (DE)

Application

EP 01124630 A 20011016

Priority

DE 10056144 A 20001113

Abstract (en)

[origin: EP1205667A2] The gas friction pump comprises a housing (1) with a suction aperture (2) and a gas outlet aperture (3), with rotor (12) and stator (14) components in the housing for feed of gases and the production of a pressure state. On the side of the suction aperture within the housing, a single or multi-stage concave pump unit (20) is fitted, which has a gas-conveying structure. The gas-conveying structure is so formed that a gas delivery occurs in a radial direction. The rotor parts (21) of this pump unit and those (12) of the gas friction pump are located on the same rotor shaft (4).

IPC 8 full level

F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 29/40** (2006.01)

CPC (source: EP US)

F04D 17/168 (2013.01 - EP US); **F04D 19/046** (2013.01 - EP US)

Citation (examination)

DUDEN REDAKTION: "Der Große Duden - Band 1 - 16., erweiterte Auflage", 1967, DUDENVERLAG, MANNHEIM

Cited by

EP1852613A3

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 1205667 A2 20020515; **EP 1205667 A3 20021120**; **EP 1205667 B1 20090114**; DE 10056144 A1 20020523; DE 50114655 D1 20090305; JP 2002180989 A 20020626; JP 4183409 B2 20081119; US 2002064451 A1 20020530; US 6638010 B2 20031028

DOCDB simple family (application)

EP 01124630 A 20011016; DE 10056144 A 20001113; DE 50114655 T 20011016; JP 2001324973 A 20011023; US 5415401 A 20011113