

Title (en)

Gas friction pump with an additional gas inlet

Title (de)

Gasreibungspumpe mit zusätzlichem Gaseinlass

Title (fr)

Pompe à effet visqueux avec une entrée de gaz additionnelle

Publication

**EP 1249614 B1 20091104 (DE)**

Application

**EP 02002738 A 20020207**

Priority

DE 10111603 A 20010310

Abstract (en)

[origin: US2002127094A1] A gas friction pump, including a housing having a suction opening, a gas outlet opening, and a plurality of rotatable and stationary components arranged in the housing and having a pump-active structure for pumping gases and maintaining a pressure ratio, and an additional gas inlet formed as a longitudinal opening extending, in a longitudinal direction thereof, over a portion of an outer edge of a rotatable component.

IPC 8 full level

**F04D 19/04** (2006.01); **F04D 29/42** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

**F04D 19/042** (2013.01 - EP US)

Cited by

DE102008013142A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**US 2002127094 A1 20020912**; **US 6644912 B2 20031111**; DE 10111603 A1 20020912; DE 50213975 D1 20091217; EP 1249614 A1 20021016; EP 1249614 B1 20091104; JP 2002295397 A 20021009; JP 4512305 B2 20100728

DOCDB simple family (application)

**US 8667902 A 20020301**; DE 10111603 A 20010310; DE 50213975 T 20020207; EP 02002738 A 20020207; JP 2002029152 A 20020206