Title (en)

MULTI-STAGE PISTON-TYPE COMPRESSOR

Title (de)

MEHRSTUFIGER KOLBENVERDICHTER

Title (fr)

COMPRESSEUR DE PISTON À PLUSIEURS ÉTAGES

Publication

EP 1395755 B1 20061213 (DE)

Application

EP 02745080 A 20020524

Priority

- DE 0201887 W 20020524
- DE 10125420 A 20010525

Abstract (en)

[origin: DE10125420C1] The interconnecting transfer channel (19) opens into bores (26, 27) forming passages. The sealing disk or membrane closure (28) of the transfer non-return valve (20) is loosely-guided and restricted in its stroke. The bores have different diameters and are arranged in a common partial circuit, being spaced radially from the closure membrane axis. They are completely covered by it.

IPC 8 full level

F04B 25/02 (2006.01); **F04B 25/00** (2006.01); **F04B 27/02** (2006.01); **F04B 39/00** (2006.01); **F04B 39/10** (2006.01)

CPC (source: EP)

F04B 25/005 (2013.01); **F04B 25/02** (2013.01); **F04B 27/02** (2013.01); **F04B 39/0016** (2013.01); **F04B 39/1026** (2013.01); **F04B 39/108** (2013.01); **F04B 39/1086** (2013.01); F05C 2225/00 (2013.01)

Citation (examination)

DE 19715291 A1 19981015 - PNP LUFTFEDERSYSTEME GMBH [DE]

Cited by

WO2012107284A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

DE 10125420 C1 20021024; AT 348266 T 20070115; DE 50208956 D1 20070125; EP 1395755 A1 20040310; EP 1395755 B1 20061213; US 2006104844 A1 20060518; US 7351044 B2 20080401; WO 02095227 A1 20021128

DOCDB simple family (application)

DE 10125420 A 20010525; AT 02745080 T 20020524; DE 0201887 W 20020524; DE 50208956 T 20020524; EP 02745080 A 20020524; US 47938305 A 20051019