

Title (en)

Multistage piston compressor and operation method

Title (de)

Mehrstufige Kolbenpumpe und Verfahren zu deren Betrieb

Title (fr)

Pompe multiétagée et sa méthode de fonctionnement

Publication

EP 1413753 A3 20051228 (DE)

Application

EP 03022066 A 20031002

Priority

DE 10249062 A 20021022

Abstract (en)

[origin: EP1413753A2] A multi-stage piston-driven vacuum pump has a housing (1) and two suction chambers (2, 4). Between the inlet side (16) and suction chambers, or between the suction chambers, there is a system of link pipes and valves by means of which the individual pump stages operate either in parallel or in series. The link pipes and valves are incorporated within the housing.

IPC 1-7

F04B 37/14; **F04B 25/00**

IPC 8 full level

F04B 37/12 (2006.01); **F04B 25/00** (2006.01); **F04B 37/14** (2006.01)

CPC (source: EP US)

F04B 25/005 (2013.01 - EP US); **F04B 37/14** (2013.01 - EP US)

Citation (search report)

- [XY] DE 20202190 U1 20020704 - MUELLER GUENTER [DE]
- [Y] EP 0715077 A2 19960605 - CARRIER CORP [US]
- [X] US 2246932 A 19410624 - COLLINS LESTER L
- [A] EP 0863313 A1 19980909 - ANEST IWATA CORP [JP]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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