

Title (en)
PUMP FOR DISPLACEMENT OF GASES AND FOR GENERATION OF DIFFERENTIAL PRESSURE

Publication
EP 0394720 B1 19930512 (DE)

Application
EP 90106475 A 19900405

Priority
DE 3914042 A 19890428

Abstract (en)
[origin: EP0394720A1] In the pump described here the expansion chamber is hermetically sealed off from the drive unit. In the expansion chamber itself there are no oil-lubricated or grease-lubricated parts, so that the pump may be described as entirely dry. The sealing is achieved by means of a torsional hollow body 5, which is located between a shaft 1 and a pot 6. The shaft 1 performs an oscillating rotary movement which is transmitted to the pot 6. On the latter are segmental pistons 8a and 8b, which oscillate between fixed parts 10a and 10b and so create the pumping effect.
<IMAGE>

IPC 1-7
F04C 21/00; **F04C 25/02**

IPC 8 full level
F04C 21/00 (2006.01); **F04C 25/02** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP US)
F04C 21/002 (2013.01 - EP US); **F04C 27/008** (2013.01 - EP US)

Cited by
EP1843042A1; WO9922118A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0394720 A1 19901031; **EP 0394720 B1 19930512**; AT E89370 T1 19930515; DD 294068 A5 19910919; DE 3914042 A1 19901031; DE 59001407 D1 19930617; JP H02301693 A 19901213; US 5017106 A 19910521

DOCDB simple family (application)
EP 90106475 A 19900405; AT 90106475 T 19900405; DD 34014090 A 19900426; DE 3914042 A 19890428; DE 59001407 T 19900405; JP 9747190 A 19900412; US 50826690 A 19900411