

Title (en)
Double-diaphragm pump.

Title (de)
Doppel-Membranpumpe.

Title (fr)
Pompe à double membrane.

Publication
EP 0480192 B1 19940713 (DE)

Application
EP 91115450 A 19910912

Priority
• DE 4031872 A 19901008
• DE 4106180 A 19910227

Abstract (en)
[origin: EP0480192A1] Double-diaphragm pump with diaphragms dividing two diaphragm chambers and connected to one another by a connecting rod (22), a control slide valve (12) with sealing elements (13), displaceable as a function of the position of the diaphragms (24), for alternately opening and covering control ducts (2, 3, 4, 5, 6) arranged in a control slide valve housing (1) for alternately admitting propellant to a propellant chamber and relieving it of this, and an actuating element (16, 17; 22, 28) coupled to the diaphragm movement and magnetically to the control slide valve. <IMAGE>

IPC 1-7
F04B 43/06; F01L 25/08

IPC 8 full level
F01L 25/08 (2006.01); **F04B 43/06** (2006.01); **F04B 43/073** (2006.01)

CPC (source: EP US)
F01L 25/08 (2013.01 - EP US); **F04B 43/0736** (2013.01 - EP US); **Y10T 137/86622** (2015.04 - EP US)

Cited by
EP0595116A1; US5325762A; EP0780574A1; WO9608130A3

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

DOCDB simple family (publication)
EP 0480192 A1 19920415; **EP 0480192 B1 19940713**; AT E108518 T1 19940715; DE 4106180 A1 19920409; DE 4106180 C2 19920910; DK 0480192 T3 19940815; ES 2056543 T3 19941001; JP H04234582 A 19920824; JP H086693 B2 19960129; US 5222876 A 19930629

DOCDB simple family (application)
EP 91115450 A 19910912; AT 91115450 T 19910912; DE 4106180 A 19910227; DK 91115450 T 19910912; ES 91115450 T 19910912; JP 26022891 A 19911008; US 76881491 A 19910930