

Title (en)
EXPANSION VALVE

Publication
EP 0156962 B1 19880323 (DE)

Application
EP 84113580 A 19841110

Priority
DE 3344816 A 19831212

Abstract (en)
[origin: ES283335U] The expansion valve has a valve lifter which has an axial capillary bore, a shoulder which abuts the membrane and a tapered end which passes through the membrane with clearance forming a gap. A plunger whose movement is controlled by a magnetic coil is used to close and open the capillary bore.

IPC 1-7
F25B 41/06; F16K 31/126; F16K 47/00

IPC 8 full level
F16K 31/68 (2006.01); **F16K 31/126** (2006.01); **F16K 47/00** (2006.01); **F25B 41/06** (2006.01); **G05D 16/20** (2006.01)

CPC (source: EP US)
F25B 41/335 (2021.01 - EP US)

Citation (examination)

- GB 2087012 A 19820519 - KELSEY HAYES CO
- US 3997035 A 19761214 - ZEIDLER REINHOLD CARL
- US 3997036 A 19761214 - ZEIDLER REINHOLD CARL
- DE 2632331 A1 19770217 - MIDLAND ROSS CORP
- DE 2506428 A1 19750821 - AEROQUIP CORP

Cited by
EP0689015A1; US5669413A

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 3344816 A1 19850620; BR 8406334 A 19851008; DE 3470094 D1 19880428; DK 591184 A 19850613; DK 591184 D0 19841211; EP 0156962 A1 19851009; EP 0156962 B1 19880323; ES 283335 U 19850516; ES 283335 Y 19860101; JP S60140074 A 19850724; US 4606199 A 19860819

DOCDB simple family (application)
DE 3344816 A 19831212; BR 8406334 A 19841211; DE 3470094 T 19841110; DK 591184 A 19841211; EP 84113580 A 19841110; ES 283335 U 19841211; JP 26010184 A 19841211; US 67864384 A 19841206