

Title (en)

Device for avoiding disturbing back expansion in a piston compressor

Title (de)

Vorrichtung zur Vermeidung störender Rückexpansion bei Kolbenverdichter

Title (fr)

Dispositif pour éviter des retours de détente gênants dans un compresseur à piston

Publication

**EP 0907022 A3 20010620 (DE)**

Application

**EP 98117617 A 19980917**

Priority

DE 19743444 A 19971001

Abstract (en)

[origin: EP0907022A2] The compression chamber is connected to the atmosphere via a valve (7) located in the piston head (8). The valve is lifted by a cam (9) fastened to the eye (11) of a connecting rod (5). The valve has a shaft and a plate, which is pressed by a compression spring against a valve seat with bores in the piston head. The spring supports itself against the piston head and against a spring plate fastened to the valve shaft.

IPC 1-7

**F04B 39/00**; **F04B 49/24**

IPC 8 full level

**F04B 39/00** (2006.01)

CPC (source: EP)

**F04B 39/0016** (2013.01)

Citation (search report)

- [AD] DE 3902658 A1 19900802 - KNORR BREMSE AG [DE]
- [A] DE 229229 C
- [A] US 1607478 A 19261116 - EDWIN PRESTAGE
- [A] GB 248595 A 19260311 - LEON DE VOOGHT

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0907022 A2 19990407**; **EP 0907022 A3 20010620**; DE 19743444 A1 19990408; DE 19743444 C2 19991216

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