

Title (en)
PIPE SYSTEM CLEANING DEVICE, ESPECIALLY FOR TAPPING CONDUITS

Publication
EP 0147784 A3 19880720 (DE)

Application
EP 84115793 A 19841219

Priority
DE 3347004 A 19831224

Abstract (en)
[origin: US4607410A] Apparatus for cleaning pipelines of finite length has a four-way flow reversing valve whose body admits a liquid cleaning agent from an inlet into one port and thence into a pipeline whence the cleaning agent flows back into the body by way of a second port and is discharged by way of an outlet. The valving element is a piston which is reciprocable between two end positions in one of which the flow of cleaning agent takes place as outlined above and in the other of which the cleaning agent flows first into the other port and returns into the body of the valve by way of the one port to be discharged by way of the outlet. The body of the valve is separably connected with the larger-diameter end portions of two cylindrical housings whose smaller-diameter end portions are separably connectable with the respective ends of the pipeline. A supply of cleaning elements, such as balls of sponge rubber, is used in the apparatus to automatically change the position of the piston as soon as they impinge upon the one or the other end of the piston.

IPC 1-7
B08B 9/06

IPC 8 full level
B08B 9/04 (2006.01)

CPC (source: EP US)
B08B 9/0551 (2013.01 - EP US); **B08B 9/057** (2013.01 - EP US)

Citation (search report)
• [AD] DE 1782136 B2 19780524
• [A] DE 301816 C
• [A] FR 2312175 A7 19761217 - OOSTWEGEL FIJNMECHANISCHE IND [NL], et al

Cited by
EP0582227A1

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

DOCDB simple family (publication)
EP 0147784 A2 19850710; EP 0147784 A3 19880720; EP 0147784 B1 19891011; AT E47053 T1 19891015; CA 1257057 A 19890711; DE 3347004 C1 19850605; DK 158497 B 19900528; DK 158497 C 19901029; DK 605784 A 19850625; DK 605784 D0 19841218; US 4607410 A 19860826

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