

Title (en)
DEVICE FOR CLEANING PIPELINES

Publication
EP 0333859 B1 19920102 (DE)

Application
EP 87907640 A 19870923

Priority
SU 8700105 W 19870923

Abstract (en)
[origin: EP0333859A1] A device for cleaning pipelines comprises a casing (1) inside which, along its longitudinal axis, are mounted an inlet chamber (2) connected to a compressed-air source, a pumping chamber (4) intended to be connected to the pipeline and a piston (5). Two auxiliary chambers (6, 7) are mounted in the casing (1), separated from each other by the piston (5) provided with an air venting system. The first auxiliary chamber (6) is connected to the atmosphere. The second auxiliary chamber (7) is connected to the pumping chamber (4) through an air supply means provided inside a valve (14) of the pumping chamber (4), and to the inlet chamber (2) through a central passage (12) made in the piston (5). The cross-sectional area of the piston (5), facing the second auxiliary chamber (7) is larger than the end-face surface facing the inlet chamber (2), but smaller than the butt-end surface of an annular flange on the piston (5), facing the second auxiliary chamber (7). The casing (1) on the side where the pumping chamber (4) is located in the compressed-air discharge zone, is provided with through-passages (27), whose longitudinal axes coincide with the reactive force vector of the compressed-air flow.

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