

Title (en)

Portable device for unblocking pipes, typically the waste pipes of sinks and the like

Title (de)

Tragbare Vorrichtung zum Entstopfen von Rohren, insbesondere Abwasserrohre von Spülbecken und dergleichen

Title (fr)

Dispositif portatif pour déboucher des tuyaux, en particulier des tuyaux d'évacuation des éviers et similaires

Publication

**EP 1059392 A3 20030416 (EN)**

Application

**EP 00201962 A 20000602**

Priority

IT RE990025 U 19990610

Abstract (en)

[origin: EP1059392A2] The device comprises an air receiver (7) having its inlet connected to a manually operated pumping unit (3, 33) for its filling with compressed atmospheric air, between said pumping unit and said receiver (7) there being interposed a valve unit comprising a non-return valve (77) positioned to intercept the delivery conduit of said pumping unit; a valving element (10) slidably housed air-tight inside a passage chamber (12) into which said delivery conduit opens, and arranged to close the outlet of the receiver (7); a vent valve (24), controlled by a trigger operable from the outside, to intercept a channel (25) which connects said passage chamber (12) to the outside; and a duct (11) which passes through said valving element (10) and has one end constantly connected to said passage chamber (12) and its other end opening into the outer cylindrical surface of the valving element (10); said valving element (10) is provided with elastic means (15) arranged to maintain the valving element (10) constantly urged towards its closure position, the thrust of said elastic means (15) being overcome by the thrust produced by the pressure downstream of the valving element (10) when the passage chamber (12) is connected to discharge. <IMAGE>

IPC 1-7

**E03C 1/304**; B08B 9/032; F04B 33/00; B05B 11/00

IPC 8 full level

**B08B 9/02** (2006.01); **E03C 1/304** (2006.01); **F04B 33/00** (2006.01)

CPC (source: EP)

**B08B 9/0321** (2013.01); **E03C 1/304** (2013.01); **F04B 33/00** (2013.01)

Citation (search report)

- [X] FR 2417347 A3 19790914 - FRATI GIUSEPPE [IT]
- [XA] EP 0583885 A1 19940223 - EMIN JOHN ENVER [GB]

Cited by

EP2278080A1; CN109083256A; DE10358617A1; DE10358617B4; WO2021184556A1

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