

Title (en)

Device for introducing air into a hydropneumatic reservoir

Title (de)

Vorrichtung zur Einführung von Luft in einem hydropneumatischen Vorratsbehälter

Title (fr)

Dispositif d'introduction d'air pour un réservoir hydropneumatique

Publication

**EP 0895020 B1 20090218 (FR)**

Application

**EP 98401961 A 19980731**

Priority

FR 9709902 A 19970801

Abstract (en)

[origin: EP0895020A1] The air inlet device (7), for a system comprising a hydropneumatic reservoir (3) mounted on a pipe, is positioned so that the air is let into a zone containing water at an absolute pressure which is below or slightly above atmospheric pressure, and is actuated only when the hydropneumatic reservoir needs re-filling with air. The inlet device comprises an air feed tube (8), mounted on the pipe between the water intake and a pump (2) equipped with an electrically-driven air control valve and a flow limiter. The pipe is equipped with a vacuum generator upstream of the hydropneumatic reservoir, e.g. in the form of a Venturi tube.

IPC 8 full level

**F17D 1/20** (2006.01)

CPC (source: EP US)

**F17D 1/20** (2013.01 - EP US); **Y10T 137/3118** (2015.04 - EP US); **Y10T 137/3133** (2015.04 - EP US)

Cited by

EP2110597A1; CN104929988A; FR2930014A1; US8132587B2

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