

Title (en)

BACKUP PNEUMATIC WATER PRESSURE DEVICE

Title (de)

UNTERSTÜTZENDE PNEUMATISCHE WASSERDRUCKVORRICHTUNG

Title (fr)

DISPOSITIF PNEUMATIQUE POUR FOURNIR UNE PRESSION D'EAU DE SECOURS

Publication

EP 2847391 A1 20150318 (EN)

Application

EP 12874979 A 20120423

Priority

US 2012034693 W 20120423

Abstract (en)

[origin: WO2013162507A1] A fluid pressure backup device has a tank mounted between pressurized fluid and piping for delivering the fluid. An air bladder within the tank is inflated by an air compressor to provide backup fluid pressure when the pressurized fluid source fails. Control circuitry assures that when the backup device has been activated there is minimal drain on the battery from other system components when the air compressor is not operating. A bladder rod and a hook and loop assembly maintain the orientation of the air bladder during use. In the exemplar application of the device to provide backup water pressure, a control unit detects when water pressure at the source is lost, and monitors air pressure in the bladder and water pressure in the tank. When water pressure is restored at the source, the control unit shuts off the compressor and opens an air pressure relief valve at the bladder.

IPC 8 full level

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CPC (source: EP)

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