

Title (en)

Device and method for introducing air in a hydropneumatic tank

Title (de)

Vorrichtung und Verfahren der Luftzufuhr in einen hydropneumatischen Behälter

Title (fr)

Dispositif et procédé d'introduction d'air dans un réservoir hydropneumatique

Publication

**EP 2110597 B1 20110112 (FR)**

Application

**EP 09290255 A 20090406**

Priority

FR 0802040 A 20080414

Abstract (en)

[origin: EP2110597A1] The device (3) has a valve (9) e.g. electromechanic valve, controlled by a signal provided from a pressure sensor (6), and a tube (8) with end connected to the valve, and end connected to a hydraulic duct (2) connected to a hydropneumatic reservoir (1) in a form of flask. A check valve (11) is arranged in the tube to prevent passing of liquid in the tube towards the valve. A check valve (5) is arranged in the duct between the reservoir and the tube. The check valve (5) is closed when a pump (4) mounted on the duct is stopped, where the valve is opened as soon as the pump is started. An independent claim is also included for a method for introducing air into an anti-pressure surge or regulating hydropneumatic reservoir connected to duct.

IPC 8 full level

**F17D 1/20** (2006.01)

CPC (source: EP US)

**F17D 1/20** (2013.01 - EP US); **Y10T 137/0396** (2015.04 - EP US); **Y10T 137/85986** (2015.04 - EP US); **Y10T 137/86019** (2015.04 - EP US); **Y10T 137/86389** (2015.04 - EP US)

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2110597 A1 20091021; EP 2110597 B1 20110112**; AT E495408 T1 20110115; AU 2009201368 A1 20091029; CA 2659514 A1 20091014; DE 602009000554 D1 20110224; ES 2356228 T3 20110406; FR 2930014 A1 20091016; FR 2930014 B1 20100528; MA 30856 B1 20091102; US 2009255595 A1 20091015; US 8132587 B2 20120313

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