

Title (en)

PRESSURE EQUALIZATION DEVICE FOR HYDRAULIC SYSTEMS

Title (de)

DRUCKAUSGLEICHSVORRICHTUNG FÜR HYDRAULIKSYSTEME

Title (fr)

DISPOSITIF DE COMPENSATION DE LA PRESSION POUR SYSTÈMES HYDRAULIQUES

Publication

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Application

EP 11730235 A 20110516

Priority

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Abstract (en)

[origin: WO2011154222A1] The invention relates to a pressure equalization device (10) for at least one component (12) of a hydraulic system (14) to which liquid is supplied, comprising a supply device, which contains a pumping unit (16) and supply lines (18) for providing a liquid, wherein at least one component (12) supplied with liquid is connected to at least one gas accumulator (20), which is controlled by means of hydraulic system pressure. The claimed pressure equalization device can be used in particular in metering systems that conduct liquid auxiliary agents for exhaust gas after-treatment in internal combustion engines.

IPC 8 full level

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Citation (search report)

See references of WO 2011154222A1

Citation (examination)

- US 4667473 A 19870526 - ROBINSON CURTISS W [US]
- EP 0897480 B1 20020717 - HYDAC TECHNOLOGY GMBH [DE]
- US 4187682 A 19800212 - SHEN JAN-SON [US]
- CA 2453074 A1 20050719 - DOERKSEN CAREY T [CA]
- WO 2011048292 A2 20110428 - COUTIER MOULAGE GEN IND [FR], et al

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