Title (en)

MOBILE HYDRAULIC SYSTEM

Title (de)

MOBILHYDRAULIKSYSTEM

Title (fr)

SYSTÈME HYDRAULIQUE MOBILE

Publication

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Application

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Abstract (en)

[origin: WO2010097256A1] The invention relates to a mobile hydraulic system for a hybrid vehicle, comprising a hydraulic accumulator device (22), which comprises a high-pressure accumulator chamber (34) and a low-pressure accumulator chamber (35), between which a hydraulic drive unit is connected, wherein the hydraulic drive unit is used to convey an incompressible fluid from the low-pressure accumulator chamber (35) into the high-pressure accumulator chamber (34) in an accumulator operating state, wherein the incompressible fluid can be discharged from the high-pressure accumulator chamber into the low-pressure accumulator chamber (35) in a drive operating state in order to hydraulically drive the hydraulic drive unit. In order to further reduce the space requirement for the hydraulic accumulator device in the mobile hydraulic system, the low-pressure accumulator chamber (35) and the high-pressure accumulator chamber (34) are fluidically separated by a separating device (36) and arranged in a common accommodating chamber (25) in which a variable compensating volume (50) having a compressible fluid is also arranged.

IPC 8 full level

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