

Title (en)
HYDRAULIC SPRING-LOADED DRIVE

Title (de)
HYDRAULISCHER FEDERSPEICHERANTRIEB

Title (fr)
MÉCANISME HYDRAULIQUE ACCUMULATEUR À RESSORT

Publication
EP 2198442 A1 20100623 (DE)

Application
EP 08802713 A 20080930

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• EP 2008008285 W 20080930
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Abstract (en)
[origin: WO2009049768A1] The invention relates to a hydraulic spring-loaded drive comprising a working cylinder arranged in a working cylinder housing (12), at least one pre-loaded spring (10), at least two pressure pistons (34) that are each arranged in a bore (32) in a sliding displaceable way, and a pressure body (16) arranged concentrically around the working cylinder housing (12), wherein the pre-loaded spring (10) puts fluid present in the bores (32) under pressure by way of the pressure body (16) and the pressure pistons (34). A guide ring (14) is arranged radially between the pressure body (16) and the working cylinder housing (12) such that during tensioning and during release of the pre-loaded spring (10) the guide ring (14) is axially without force and that the pressure body (16) is axially without force when the pre-loaded spring (10) is pre-tensioned.

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