

Title (en)  
HYDRAULIC CONTROL AND ADJUSTMENT SYSTEM WITH VOLUME EQUALIZATION

Title (de)  
HYDRAULISCHES STEUER- UND STELLSYSTEM MIT VOLUMENAUSGLEICH

Title (fr)  
SYSTEME DE COMMANDE ET DE REGLAGE HYDRAULIQUE A COMPENSATION DE VOLUME

Publication  
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Application  
**EP 04765311 A 20040916**

Priority  
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Abstract (en)  
[origin: WO2005028879A1] A hydraulic control and adjustment system for hydraulic consumers in a working machine, consisting of at least one hydraulic cylinder (1) with a moveable piston cylinder (3) which separates the hydraulic cylinder into a piston-sided pressure adjustment chamber (5) and a hydropump unit (2) for simultaneously supplying hydraulic fluid to two hydraulic circuits (39, 40b). The first connection (10) to a first connection side of the hydropump unit (2) is linked to the piston-chamber-sided adjusting pressure chamber (4); a second connection (12) on a second connection side of the hydropump unit (2) forming a closed hydraulic circuit (39) with the first circuit (10) is connected to the piston-rod-sided pressure adjustment chamber (5) of the hydraulic cylinder (1). The first connection side of the hydropump unit (2) is connected to the piston-sided pressure adjustment chamber (4) with an amount of hydraulic fluid corresponding to a difference in the amount of hydraulic fluid between the piston-sided pressure adjustment chamber (5).

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