Title (en)

CONTROL SYSTEM AND METHOD FOR SUPPLYING PRESSURE MEANS TO AT LEAST TWO HYDRAULIC CONSUMERS

Title (de)

STEUERANORDNUNG UND VERFAHREN ZUR DRUCKMITTELVERSORGUNG VON ZUMINDEST ZWEI HYDRAULISCHEN VERBRAUCHERN

Title (fr)

DISPOSITIF DE COMMANDE ET PROCEDE D'ALIMENTATION D'UN MOYEN DE PRESSION A AU MOINS DEUX CHARGES HYDRAULIQUES

Publication

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Application

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Abstract (en)

[origin: WO2005024245A1] Disclosed are a control system and a method for supplying pressure means to at least two hydraulic consumers (4, 6) that are supplied with pressure means via a variable displacement pump (2). One respective dosing diaphragm (18, 20) is provided in the flow path of the pressure means between the consumers and the variable displacement pump. The variable displacement pump and the dosing diaphragms are electronically adjusted via a control device (10) in accordance with the setpoint values input by an operator. According to the invention, the dosing diaphragm assigned to the consumer that is subjected to the greatest load pressure is controlled to a fully open position such that the loss of pressure is minimal via said dosing diaphragm.

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Cited by

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