

Title (en)

System and method for providing hydraulic power to a plurality of hydraulic circuits of a machine

Title (de)

System und Verfahren zur Bereitstellung von Hydraulikleistung für verschiedene Hydraulikkreisläufe einer Maschine

Title (fr)

Système et procédé pour fournir une puissance hydraulique et une pluralité de circuits hydrauliques d'une machine

Publication

EP 2746466 B1 20210127 (EN)

Application

EP 12198269 A 20121219

Priority

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Abstract (en)

[origin: EP2746466A1] A system (116) for providing hydraulic power to a hydraulic system of a machine allows assigning individual hydraulic pumps (132-140B) to different hydraulic circuits (160-170) of the hydraulic system. The system (116) reduces flow sharing between the different hydraulic circuits (160-170) to avoid pressure drop losses. A plurality of control valves (142-150B) regulate the flow to the different circuits and may be switched to selectively associate one or more hydraulic pumps (132-140B) to a particular hydraulic circuit. The distribution of the pumps may be determined based on priorities of the different hydraulic circuits and the flow required by each circuit. The flow rate for each hydraulic circuit is controlled by the displacement of the associated hydraulic pumps.

IPC 8 full level

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CPC (source: EP)

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Cited by

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