

Title (en)
HYDRAULIC CONTROL ASSEMBLY

Title (de)
HYDRAULISCHE STEUERANORDNUNG

Title (fr)
SYSTÈME DE COMMANDE HYDRAULIQUE

Publication
EP 2881594 B1 20160720 (DE)

Application
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Priority
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Abstract (en)
[origin: US2015136251A1] A hydraulic control assembly for a plurality of consumers includes, for each consumer, a supply metering orifice configured to control fluid flow. A flow-sensing fluid-flow-path extends over detection orifices positioned hydraulically in series, whereby a detection orifice is assigned to each supply metering orifice. The fluid-flow-path is connected to a hydraulic pump upstream of the detection orifices, and a control device of the hydraulic pump downstream of the detection orifices. Each detection orifice is configured to close the fluid-flow-path upon detecting a fluid supply deficiency for a corresponding consumer, whereby the control device is configured to interact with the fluid-flow-path such that fluid flow from the hydraulic pump is increased. When no customers have a supply deficiency, the fluid-flow-path over the detection orifices is fully opened, and the control device is configured to reduce fluid flow from the hydraulic pump.

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