

Title (en)
Hydraulic assembly

Title (de)
Hydraulische Anordnung

Title (fr)
Agencement hydraulique

Publication
EP 2287472 B1 20160217 (DE)

Application
EP 10172292 A 20100809

Priority
DE 102009028816 A 20090821

Abstract (en)
[origin: EP2287472A2] The arrangement (12) has hydraulic loads (32, 34) with supply lines (26, 28) connected over a connection line (60) for controlling supply priority levels assigned to the loads. A load pressure-controlled priority valve (66) is arranged between a hydraulic pump (21) and the connection line in one of the supply lines, and a volume flow reducing agent (58) e.g. flow regulating valve, is arranged in the other supply line. The connection line has a blocking unit (62) i.e. check valve, for blocking volume flow from the latter supply line in a direction of the former supply line. The loads are designed as a hydraulically actuated steering and/or hydraulically actuated brake, hydraulically actuated suspension and hydraulically actuated hoisting gear. The load pressure-controlled priority valve is designed as a proportional valve. The hydraulic pump is designed as a load pressure dependent variable displacement pump.

IPC 8 full level
F15B 11/05 (2006.01)

CPC (source: EP US)
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Cited by
CN104214150A; DE102011089017B4

Designated contracting state (EPC)
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DOCDB simple family (publication)
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