

Title (en)
Power shovel

Title (de)
Bagger

Title (fr)
Excavateur

Publication
EP 2444555 B1 20210217 (EN)

Application
EP 10789245 A 20100617

Priority
• JP 2010004052 W 20100617
• JP 2009145458 A 20090618
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Abstract (en)
[origin: EP2444555A1] To provide a hydraulic control device for a construction machine, wherein the amount of drive of an electric motor is reduced in order to minimize cost and conserve energy, and wasteful energy consumption can be minimized. The hydraulic control device for a construction machine comprises a hydraulically actuated primary actuator group and a secondary actuator group which is used less frequently than the primary actuator group. The hydraulic control device also comprises primary pumps (P1, P2) for supplying operating oil to the primary actuator group; secondary pumps (P3, P4) for supplying the operating oil to the secondary actuator group; actuator operating means; a remote control valve group (75) and a pilot valve (72) for outputting pilot pressures according to the operated amount of the actuator operation means; a primary control valve group (50) and a secondary control valve group (60), which are driven by the pilot pressures and which control the flow rate of the operating oil supplied to the hydraulic actuators; a first electric motor (M1) for driving the primary pumps (P1, P2); and a second electric motor (M2) for driving the secondary pumps (P3, P4).

IPC 8 full level
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Citation (examination)
JP 2000273913 A 20001003 - DAIKIN IND LTD

Cited by
EP3567166A1; US10954968B2; EP4190978A1; US11643793B2; US10458097B2; EP3985181A1; BE1028704A1; EP3722516A1; BE1027189A1

Designated contracting state (EPC)
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