

Title (en)  
HYDRAULIC PUMP CONTROL SYSTEM

Title (de)  
REGELEINRICHTUNG FÜR EINE HYDROPUMPE

Title (fr)  
SYSTEME REGULATEUR POUR POMPE HYDRAULIQUE

Publication  
**EP 0746690 A1 19961211 (DE)**

Application  
**EP 95909750 A 19950221**

Priority  
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• EP 9500611 W 19950221

Abstract (en)  
[origin: DE4406318A1] A control system for a variable-displacement hydraulic pump having an adjustment device and being electrical current-adjustable as required for supplying pressure to a first hydraulic apparatus (13), and pressure-adjustable for supplying pressure to a second hydraulic apparatus (14), in which case the pressure rating and the setting of the pilot valve controlled by the second hydraulic apparatus (14) may be programmed by a control signal. The control system includes a first control valve (18) that can be actuated by the weight of the load of the first apparatus (13) and by a spring (23) when switching to a higher displacement, or by the pump pressure when switching to a lower displacement. The system further includes a second control valve (19) which can be exposed to a force corresponding to the control signal (25) when switching to a higher displacement, or to the pump pressure when switching to a lower displacement.

IPC 1-7  
**F15B 11/05**

IPC 8 full level  
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**F15B 11/165** (2013.01 - EP US); **F15B 2211/20553** (2013.01 - EP US); **F15B 2211/30525** (2013.01 - EP US); **F15B 2211/3144** (2013.01 - EP US); **F15B 2211/31511** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/355** (2013.01 - EP US); **F15B 2211/605** (2013.01 - EP US); **F15B 2211/67** (2013.01 - EP US); **F15B 2211/71** (2013.01 - EP US)

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