

Title (en)  
Hydraulic control system

Title (de)  
Hydraulische Steuervorrichtung

Title (fr)  
Dispositif de commande hydraulique

Publication  
**EP 0603722 B1 19970423 (DE)**

Application  
**EP 93120202 A 19931215**

Priority  
DE 4243973 A 19921223

Abstract (en)  
[origin: EP0603722A1] In a hydraulic control system (V) for at least one hydraulic consumer (5, 6) of a mobile crane (K), which control system (V) has a directional control spool, connected on the one side to a pressure line (15) and a return line (16) and on the other side to two working lines (17, 18) to the hydraulic motor and having an adjustable spool piston (21), as well as a volume-reducing device (M) which can be brought into engagement as a function of a critical loading state and with which at least the volume of the hydraulic medium flowing to the hydraulic motor can be reduced, the directional control spool is designed as a proportional directional control spool (S1 to S8) with a feed-control pressure balance (Z) connected upstream in the pressure line (15a), and the volume-reducing device (M) is arranged constructionally separate from the spool piston (21) so that it engages between the feed-control pressure balance (Z) and the proportional directional control spool (S1 to S8) or on the feed-control pressure balance (Z) or on the spool piston (21). <IMAGE>

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

IPC 8 full level  
**F15B 11/05** (2006.01); **F15B 11/16** (2006.01)

CPC (source: EP)  
**F15B 11/003** (2013.01); **F15B 11/162** (2013.01); **F15B 2211/50545** (2013.01)

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