

Title (en)
ELECTROHYDRAULIC PROPORTIONAL VALVE

Publication
EP 0376023 A3 19910417 (DE)

Application
EP 89122724 A 19891209

Priority
DE 3844336 A 19881230

Abstract (en)
[origin: EP0376023A2] An electrohydraulic proportional valve (10) in a two-stage type of construction is proposed in which control means engaging in the pilot circuit (42) influence the pressure build-up in a control space (27) at the main control spool (17) and thus its deflection in order to meet preset safety requirements. An auxiliary connection (C) provided on a standard valve is connected via a longitudinal groove (47) at the main control spool (17) to the control space (27), to which pressure can be admitted by the pilot valve (13), and can be relieved of load to the tank via an additional manipulating valve (14). Even when the pilot valve (13) is performing a regulating function, unintentional deflection of the main control spool (17) in certain directions can thus be prevented, so that only desired pressure-medium connections can be produced by the main control valve (12). <IMAGE>

IPC 1-7
F15B 13/042

IPC 8 full level
F15B 13/042 (2006.01); **F15B 13/043** (2006.01)

CPC (source: EP)
F15B 13/043 (2013.01); **F15B 20/00** (2013.01); **F15B 2211/355** (2013.01); **F15B 2211/6355** (2013.01); **F15B 2211/67** (2013.01)

Citation (search report)
[A] FR 2436900 A1 19800418 - BOSCH GMBH ROBERT [DE]

Cited by
EP0471884A1; EP0718504A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0376023 A2 19900704; **EP 0376023 A3 19910417**; **EP 0376023 B1 19940309**; DE 3844336 A1 19900705; DE 58907181 D1 19940414

DOCDB simple family (application)
EP 89122724 A 19891209; DE 3844336 A 19881230; DE 58907181 T 19891209