

Title (en)  
HYDRAULIC PILOTING DEVICE FOR REMOTE CONTROL

Publication  
**EP 0089447 A3 19831214 (EN)**

Application  
**EP 82830066 A 19820322**

Priority  
EP 82830066 A 19820322

Abstract (en)  
[origin: EP0089447A2] For special employ in hydraulic contrivances such as: distributors, driving cylinders and for the hydraulic regulation of pumps and motors with changing capacity, the device permits an exact proportionality between shifting of the control lever and the pressure wanted by the users. In stationary position of the lever, the delivery ducts to the users are connected with a drain duct by means of an insertion fitted in the device body. The lever fulcrum is fitted on a head lever bearer supported on a wrist joint. By shifting the lever, a pusher is driven which presses a supporting spring giving rise to a displacement downwards of a small rod. In this way, through an annular chamber, the feeding pressure is set into communication with a bore leading to one of the users. This is possible because the annular chamber is communicating through a radial bore with two axial bores leading to another annular chamber and allows in this way to get a pressure in the use zone lower than the feeding one and proportional to the span opened by the small rod. To the span reduction a spring is opposing, the shiffness of which is proportional to the lever displacement which is acting on the pusher. In the device, similar operation departments with rod are foreseen proportionally to the number of the use ducts which can be acted on by changing the lever movement.

IPC 1-7  
**F15B 13/06**

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

CPC (source: EP)  
**F15B 13/0422** (2013.01)

Citation (search report)  
• [X] FR 2308000 A1 19761112 - WABCO WESTINGHOUSE GMBH [DE]  
• [X] FR 2236101 A1 19750131 - SIGMA DIESEL [FR]  
• [X] FR 2327433 A1 19770506 - SIGMA HYDRAULIQUE [FR]

Cited by  
DE19949802A1; EP1068098A4; US6932113B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0089447 A2 19830928; EP 0089447 A3 19831214**

DOCDB simple family (application)  
**EP 82830066 A 19820322**