

Title (en)  
FLOW-CONTROL VALVE

Title (de)  
STROMREGELVENTIL

Title (fr)  
VANNE DE REGULATION DE DEBIT

Publication  
**EP 0857326 B1 20000621 (DE)**

Application  
**EP 96929320 A 19960823**

Priority  
• DE 19539521 A 19951024  
• EP 9603735 W 19960823

Abstract (en)  
[origin: DE19539521A1] Disclosed is a two-way flow-control valve (1) by means of which the rate of flow of a hydraulic fluid can be kept constant by connecting together a restrictor orifice (32) and a control orifice. When fluid flows through the valve in the opposite direction, a non-return element (44) in the valve is moved against the bias of its own spring (48) in such a way that it opens a bypass channel which bypasses the restrictor orifice (32).

IPC 1-7  
**G05D 7/01**; **F16K 31/363**

IPC 8 full level  
**F15B 11/05** (2006.01); **F15B 13/042** (2006.01); **F16K 31/363** (2006.01); **G05D 7/01** (2006.01)

CPC (source: EP US)  
**F15B 11/05** (2013.01 - EP US); **F15B 13/042** (2013.01 - EP US); **Y10T 137/7771** (2015.04 - EP US); **Y10T 137/7788** (2015.04 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 19539521 A1 19970430**; **DE 19539521 C2 19990107**; DE 59605471 D1 20000727; EP 0857326 A1 19980812; EP 0857326 B1 20000621; JP H11515076 A 19991221; US 5996615 A 19991207; WO 9715875 A1 19970501

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**DE 19539521 A 19951024**; DE 59605471 T 19960823; EP 9603735 W 19960823; EP 96929320 A 19960823; JP 51622197 A 19960823; US 5185798 A 19980714