

Title (en)  
FLUID CIRCUIT WITH LOAD CHECK VALVE

Publication  
**EP 0036761 A3 19820407 (EN)**

Application  
**EP 81301185 A 19810319**

Priority  
US 8000321 W 19800324

Abstract (en)  
[origin: EP0036761A2] The spool-type load check valve (20) of this invention, used in conjunction with additional check valves (60, 61) overcomes the problem of leakage in conventional spool type check valves by providing a series of interconnecting passages and chambers (36) for communicating equalized fluid pressure from a cylinder (11) to either end of the spool (27) thereof to provide for minimal leakage. When a pair of such cylinders (11, 12) are utilized, the load check valves (20, 20 min ) associated therewith are interconnected by a balance line (50) and resolver valves (47 min ) ensure equalization of fluid pressure in the cylinders upon actuation thereof and also a gradual descent of a load carried by the cylinders upon loss of fluid pressure between the check valves.

IPC 1-7  
**F15B 11/16**; **F15B 13/01**

IPC 8 full level  
**F15B 11/08** (2006.01); **F15B 13/01** (2006.01)

CPC (source: EP)  
**F15B 13/01** (2013.01)

Citation (search report)  
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• DE 2036547 A1 19720127 - KRUPP GMBH  
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• DE 2554579 A1 19770608 - KODAK AG

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Designated contracting state (EPC)  
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**EP 0036761 A2 19810930**; **EP 0036761 A3 19820407**; JP S57500347 A 19820225; WO 8102768 A1 19811001

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