

Title (en)  
TORQUE LIMITING HYDRAULIC CIRCUIT

Publication  
**EP 0166082 B1 19880907 (DE)**

Application  
**EP 85103342 A 19850322**

Priority  
DE 3423757 A 19840628

Abstract (en)  
[origin: EP0166082A1] 1. Switch and control arrangement for working equipment (12) actuatable by flowing working medium, in particular for operation of screw clamps for screwing pump rods, inner- and conveying tubes in the drilling industry, in which a power element (10) with two connections (13, 14) on the downstream side is connected to the supply (11) of the working medium, one connection (13) of the power element (10) on the downstream side being connected to a tank return line (34), the other (14) being connected to a control part for controlling the opening cross-section of the tankside connection, characterised in that the connection (14) of the power element (10) leading to the control part for controlling the opening cross-section of the tank-side connection is connected in addition to a control block, connected with the tank return line (34), said block consisting of an electro-magnetic valve (31) and a bypass line, for the electro-magnetic valve (31), closable by a hydraulic cut-off valve (32).

IPC 1-7  
**E21B 19/16; F15B 11/02**

IPC 8 full level  
**E21B 19/16** (2006.01); **F15B 11/02** (2006.01)

CPC (source: EP)  
**E21B 19/166** (2013.01)

Citation (examination)  
DE 3300034 A1 19840705 - WEATHERFORD OIL TOOL [DE]

Designated contracting state (EPC)  
AT FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0166082 A1 19860102; EP 0166082 B1 19880907; AT E37068 T1 19880915**

DOCDB simple family (application)  
**EP 85103342 A 19850322; AT 85103342 T 19850322**