

Title (en)  
Hydraulic operated hand tool

Title (de)  
Hydraulisch angetriebenens Handwerkzeug

Title (fr)  
Outil à main à commande hydraulique

Publication  
**EP 0766010 A3 19990506 (DE)**

Application  
**EP 96114779 A 19960916**

Priority  
DE 19535691 A 19950926

Abstract (en)  
[origin: DE19535691C1] A piston (21) is arranged in a piston chamber (19), and is returnable by spring force and a piston connecting rod (22). A hydraulic control block (9) is fitted to the piston chamber. In the control block is a control valve (30) for connection of the piston chamber with the tank chamber (24). The control valve, by activation of its pressure side (47), is hydraulically controllable in its opening position, and by a thruster (49) extending into the piston chamber is controllable by the piston mechanically in its closed position. A sensor valve (32), responding to a limit pressure, is provided for the hydraulic control of the control valve and a securing piston (11), with a thruster (12) provided for the securing device.

IPC 1-7  
**F15B 13/02**; B21D 39/04; F16L 13/14

IPC 8 full level  
**B25F 5/00** (2006.01)

CPC (source: EP)  
**B25F 5/005** (2013.01)

Citation (search report)

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