

Title (en)  
Hydraulic working machine

Title (de)  
Hydraulische Arbeitsmaschine

Title (fr)  
Machine de travail hydraulique

Publication  
**EP 1270103 A3 20051005 (DE)**

Application  
**EP 02450122 A 20020522**

Priority  
AT 9972001 A 20010627

Abstract (en)  
[origin: EP1270103A2] The working machine has a working cylinder (4) to move a tool (2) in which the rod-side working cavity (6) has a cross section much smaller than that of the piston-side cavity (1). Rod-side outflow can be blocked by a regulating valve (8). There is also an emergency valve (12) to connect the rod-side cavity to a separate hydraulic supply (13, 15) in the event of an emergency stop.

IPC 1-7  
**B21D 5/02; B21D 55/00**

IPC 8 full level  
**B21D 5/02** (2006.01); **B21D 55/00** (2006.01); **B30B 15/28** (2006.01)

CPC (source: EP)  
**B21D 5/02** (2013.01); **B21D 55/00** (2013.01); **B30B 15/28** (2013.01)

Citation (search report)  
• [X] EP 0967028 A2 19991229 - HOERBIGER HYDRAULIK [DE]  
• [X] DE 2542665 A1 19770505 - HARTMANN & LAEMMLE KG  
• [A] DE 4416955 A1 19941201 - KELLER ULRICH [DE]  
• [A] DE 19711207 A1 19980924 - SCHULER PRESSEN GMBH & CO [DE]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
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