

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)
EP 1270103 A2 20030102; EP 1270103 A3 20051005; EP 1270103 B1 20080402; AT 410469 B 20030526; AT A9972001 A 20020915; DE 50212001 D1 20080515

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