

Title (en)
Hydraulic working machine

Title (de)
Hydraulische Arbeitsmaschine

Title (fr)
Machine de travail hydraulique

Publication
EP 1270103 B1 20080402 (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 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 (examination)
JP H08121416 A 19960514 - TOKYO ISUZU JIDOSHA KK, et al

Designated contracting state (EPC)
DE FR IT

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

DOCDB simple family (application)
EP 02450122 A 20020522; AT 9972001 A 20010627; DE 50212001 T 20020522