

Title (en)
Hydraulic pile hammer

Title (de)
Hydraulische Rammvorrichtung

Title (fr)
Dispositif de battage de pieux à entraînement hydraulique

Publication
EP 0509816 B1 19960207 (EN)

Application
EP 92303433 A 19920416

Priority
GB 9108125 A 19910416

Abstract (en)
[origin: EP0509816A1] The pile hammer comprises a guide cylinder (1), a drop weight (4) mounted on a hydraulic hoist cylinder (5), and a hydraulic operation and control system. A main valve (8) is switchable between two states: supply of high pressure oil to the hoist cylinder (5) to raise the drop weight (4), and drainage of oil from the hoist cylinder (5) to allow the drop weight (4) to fall. Switching is accomplished by mechanical actuation of spring loaded pilot valves (6,7) which are switched from a normal state to an actuated state when the drop weight (4) reaches certain positions within the guide cylinder (1). <IMAGE>

IPC 1-7
E02D 7/10

IPC 8 full level
E02D 7/10 (2006.01)

CPC (source: EP)
E02D 7/10 (2013.01)

Cited by
CN104563117A

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0509816 A1 19921021; EP 0509816 B1 19960207; DE 69208134 D1 19960321; DE 69208134 T2 19961002; GB 9108125 D0 19910605

DOCDB simple family (application)
EP 92303433 A 19920416; DE 69208134 T 19920416; GB 9108125 A 19910416