

Title (en)

HYDRAULIC PRESS

Publication

EP 0304905 A3 19890920 (DE)

Application

EP 88113839 A 19880825

Priority

DE 3728418 A 19870826

Abstract (en)

[origin: EP0304905A2] A hydraulic press is proposed which is constantly prestressed before, during and after the working stroke, so that the press can be said to be subjected to a dynamic prestressing. As a result of this dynamic prestressing, a constant stressing and relaxing, as occurs in conventional presses, is avoided. This results in a saving in energy and a dampening of cutting shock. <IMAGE>

IPC 1-7

B30B 15/16; B21J 9/12; B21J 9/20; B21D 28/20

IPC 8 full level

B21D 28/20 (2006.01); **B30B 1/32** (2006.01); **B30B 15/24** (2006.01)

CPC (source: EP US)

B21D 28/20 (2013.01 - EP US); **B30B 1/32** (2013.01 - EP US); **B30B 15/24** (2013.01 - EP US); **B30B 15/245** (2013.01 - EP US)

Citation (search report)

- [XD] DE 2739340 A1 19790315 - SMG SUEDDEUTSCHE MASCHINENBAU
- [AD] DE 2824176 A1 19791206 - THYSSEN INDUSTRIE
- [A] DE 3039667 A1 19820519 - SCHOEN HANS
- [A] DE 2512822 A1 19760930 - SCHENK HORST
- [A] DE 2248024 B2 19761209
- [A] DE 3233860 A1 19840315 - SCHOEN HANS [DE]

Cited by

CN103521593A; US5076083A; DE19643396B4; CN104085128A; WO2009026893A1; WO2016000535A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0304905 A2 19890301; EP 0304905 A3 19890920; DE 3728418 A1 19890309; DE 3728418 C2 19901025; US 4890475 A 19900102

DOCDB simple family (application)

EP 88113839 A 19880825; DE 3728418 A 19870826; US 23646288 A 19880825