

Title (en)

APPARATUS FOR MOUNTING THE TOOL ON THE TOOLHOLDER OF AN UPSETTING PRESS

Publication

**EP 0473951 A3 19921202 (DE)**

Application

**EP 91113167 A 19910806**

Priority

DE 4026827 A 19900824

Abstract (en)

[origin: EP0473951A2] In an upsetting press for reducing the width of rolled material, especially the slab width in hot wide strip blooming trains with toolholders 2 arranged on both sides of the slab edge and receiving the pressing tool 1, a mounting device is proposed for the detachable mounting of the pressing tool 1 and the toolholder 2 which has at least one pretensionable tie bolt 3 with a hammer-shaped tie bolt head 5 held so that it can rotate in or on the toolholder 2, which tie bolt head engages in a recess 6 in the pressing tool 1 which is open on one side, essentially matches the tie bolt head 5 and supports this. <IMAGE>

IPC 1-7

**B30B 15/02**; **B21J 13/03**

IPC 8 full level

**B21J 13/02** (2006.01); **B21J 13/03** (2006.01); **B30B 15/02** (2006.01)

CPC (source: EP KR US)

**B21J 13/03** (2013.01 - EP US); **B30B 15/00** (2013.01 - KR); **B30B 15/026** (2013.01 - EP US)

Citation (search report)

- [X] DE 2360750 A1 19750612 - DEMAG DRUCKLUFTECHNIK GMBH
- [X] EP 0207930 A1 19870107 - SIMMERING GRAZ PAUKER AG [AT]
- [X] US 3111895 A 19631126 - KRAFT DERALD H, et al
- [X] FR 2271043 A1 19751212 - MUELLER FRITZ [DE], et al
- [Y] EP 0043982 A1 19820120 - HASENCLEVER MASCHF SMS [DE]
- [A] US 3638473 A 19720201 - MCELROY HOWARD J
- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 128 (M-220)(1273) 3. Juni 1983 & JP-A-58 047 525 ( NISSAN JIDOSHA K.K. )
- [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 186 (M-320)(1623) 25. August 1984 & JP-A-59 076 629 ( ESU AARU ENJINIYARINGU K.K. )

Designated contracting state (EPC)

AT BE DE ES FR GB GR IT NL SE

DOCDB simple family (publication)

**EP 0473951 A2 19920311**; **EP 0473951 A3 19921202**; **EP 0473951 B1 19950412**; AT E121015 T1 19950415; CN 1033562 C 19961218; CN 1063630 A 19920819; DE 4026827 A1 19920227; DE 4026827 C2 19981105; DE 59105159 D1 19950518; KR 920004137 A 19920327; RU 2018403 C1 19940830; US 5195355 A 19930323

DOCDB simple family (application)

**EP 91113167 A 19910806**; AT 91113167 T 19910806; CN 91105883 A 19910823; DE 4026827 A 19900824; DE 59105159 T 19910806; KR 910014314 A 19910820; SU 5001298 A 19910823; US 74958591 A 19910826