

Title (en)

Upper tool holding device for press brake

Title (de)

Oberwerkzeugträger für eine Presse

Title (fr)

Support d'outil supérieur pour une presse

Publication

**EP 0569880 B1 19980114 (EN)**

Application

**EP 93107463 A 19930507**

Priority

- JP 12318392 A 19920515
- JP 13351192 A 19920526
- JP 33131892 A 19921211

Abstract (en)

[origin: EP0569880A2] An upper tool for (9) a press brake, removably attached on an upper tool holding device (1) mounted on an upper table (3) of the press brake, comprises: a wedge portion (9W) having a contact surface (9F) brought into contact with a lower surface of a support plate (7) provided on a holder body (5) of the upper tool holding device, a slide surface (9S) slidably brought into contact with any of front and rear surfaces of the support plate (7), and a clamp surface (9C) brought into pressure contact with a pressing-down and fixing section of an upper-tool pressing-down and fixing member (11) of the upper tool holding device; and a work processing portion (9M) for processing a workpiece in cooperation with a lower tool (59). Further, an upper tool holding device (1) for a press brake, for removably mounting and supporting an upper tool (9) on an upper table of the press brake, comprises: a holder body (5) attached to the upper table (3); a support plate (7) provided on a lower portion of the holder body; an upper-tool pressing-down and fixing member (11) attached to the holder body, for fixedly fastening an upper portion of an upper tool (9) in cooperation with the support plate (7); a clamp force adjusting device (13) for adjusting clamping force of the upper-tool pressing-down and fixing member; and a clamp releasing device (15) for releasing the clamped upper tool. <IMAGE>

IPC 1-7

**B21D 5/02**

IPC 8 full level

**B21D 5/02** (2006.01)

CPC (source: EP)

**B21D 5/0209** (2013.01); **B21D 5/0236** (2013.01)

Citation (examination)

- FR 2609909 A1 19880729 - NORLANDER GORAN [FR]
- DE 3136440 A1 19830331 - WEINBRENNER PAUL MASCHBAU [DE]

Cited by

US5513514A; US5507170A; US5685191A; US5794486A; CN115213263A; EP0630700A1; EP3906126A4; US5619885A; EP0630699A1; US5390527A; US5572902A; US5642642A; CN1063989C; US6450004B1

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