

Title (en)
Upper tool for press brake

Title (de)
Oberes Werkzeug für Biegepresse

Title (fr)
Outil supérieur pour presse plieuse

Publication
EP 0644002 B1 19990310 (EN)

Application
EP 94118710 A 19930507

Priority

- EP 93107463 A 19930507
- 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>

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B21D 5/02

IPC 8 full level
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Cited by
US5794486A; US6003360A; NL1005108C2; US7721586B2; US7308817B2; US7296457B2; US7596983B2; US7669454B2

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