

Title (en)
Bending machine with movable pressure strip

Title (de)
Biegemaschine mit beweglicher Druckleiste

Title (fr)
Machine de cintrage avec barre de pression mobile

Publication
EP 1767361 A3 20091209 (DE)

Application
EP 06019213 A 20060914

Priority
DE 102005045506 A 20050923

Abstract (en)
[origin: EP1767361A2] The pressure strip (4) used in bending the printing plates, is able to execute relative movement with at least one degree of freedom, relative to the hold-down plate (3). The pressure strip is moved by a linear drive (7). This exerts the required, uniformly-distributed clamping force over the whole length of the pressure strip, to fix the printing plate (2) onto the bending table (1). The linear drive moving the pressure strip at right angles to the hold-down plate, is a fluid-filled, radially-expansible tube (7) : The tube intervenes between the hold-down plate and the pressure strip. The fluid is compressed air, the tube a silicon rubber tube. The pressure strip comprises a spring and plastic strip. The spring is fastened at one long side to the hold-down plate and the tube is located between a second long side and the hold down plate. The tube is housed in a groove in the hold-down plate, such that when expanded, its drive direction is defined. A spacer-holder (8) is provided on the hold-down plate, to assure defined clearance between it and the bending table.

IPC 8 full level
B41F 27/12 (2006.01); **B21D 5/04** (2006.01)

CPC (source: EP US)
B41F 27/1287 (2013.01 - EP US)

Citation (search report)
• [A] DE 4128863 C1 19921001
• [DA] DE 3340144 A1 19850523 - 2B PRAEZISIONSTECHNIK GMBH [DE]

Cited by
CN110961500A; US9422542B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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AL BA HR MK RS

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