Title (en)

SHOCK-ABSORBING WORKPIECE-SUPPORTING DEVICE FOR BENDING MACHINES

Publication

EP 0325841 B1 19930526 (EN)

Application

EP 88310545 A 19881109

Priority

JP 1995188 A 19880129

Abstract (en)

[origin: EP0325841A2] A workpiece-supporting device for a bending machine such as a press brake wherein a total weight of a workpiece (W), a table (3) on which the workpiece is mounted and an arm (14) to raise the table and workpiece is borne by a supporting spring (29), thus enabling the raising of the table and workpiece to start precisely simultaneously with the start of the supply of compressed-air to an air cylinder which raises the table and workpiece. The air cylinder (10) is equipped with a cushion cylinder in it to stop the raising of the table and workpiece without any shock when the bending work has been compmleted. Then, when table and workpiece are again laid horizontally, the supporting spring (29) absorbs any shock which may occur at the time the table and workpiece reach the horizontal position.

IPC 1-7

B21D 5/02

IPC 8 full level

B21D 5/02 (2006.01); **B21D 5/04** (2006.01)

CPC (source: EP)

B21D 5/0281 (2013.01)

Cited by

US5875673A; CN113523035A; CN111974843A; EP0542610A1; FR2683470A1; US5048318A; AT515296A4; AT515296B1; US5979212A; US5865058A; US5722283A; US5632181A; US5782129A; US10363591B2; WO9303869A1

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