

Title (en)

Machine for bending bar material in reinforcing elements for concrete.

Title (de)

Vorrichtung zum Biegen von stabförmigem Material zu Betonbewehrungselementen.

Title (fr)

Machine pour plier du matériel en forme de barres en éléments de renforcement de béton armé.

Publication

EP 0419443 B1 19931027 (DE)

Application

EP 90890251 A 19900830

Priority

AT 220589 A 19890920

Abstract (en)

[origin: CA2042025A1] Apparatus for bending rod-shaped material to form concrete-reinforcement elements Apparatus for bending rod-shaped material to form concrete-reinforcement elements, having a frame (3) for supporting a material feed device (4) and having a bearer for bending members, which bearer is mounted on the frame 80 as to be rotatable about the axis of feed, is adjustable relative to the frame and is constructed as a material supporting table (10) which is adjustable in a predetermined angular position relative to the frame, on which material supporting table a cutting device (8) is provided upstream of the bending members (15, 16) in the material feed direction for cutting off the rod-shaped material from the line of material after the bending operation. (Figure 1)

[origin: CA2042025A1] Apparatus for bending rod-shaped material to form concrete-reinforcement elements Apparatus for bending rod-shaped material to form concrete-reinforcement elements, having a frame (3) for supporting a material feed device (4) and having a bearer for bending members, which bearer is mounted on the frame 80 as to be rotatable about the axis of feed, is adjustable relative to the frame and is constructed as a material supporting table (10) which is adjustable in a predetermined angular position relative to the frame, on which material supporting table a cutting device (8) is provided upstream of the bending members (15, 16) in the material feed direction for cutting off the rod-shaped material from the line of material after the bending operation. (Figure 1)

IPC 1-7

B21D 7/12

IPC 8 full level

B21D 7/024 (2006.01); **B21D 7/12** (2006.01)

CPC (source: EP US)

B21D 7/12 (2013.01 - EP US)

Cited by

WO2013011373A1; CN103801634A; ITBO20110048A1; CN102441623A; EP2730284A1; EP3210685A1; ITUB20160975A1; EP2543452A1; ITUD20110116A1; WO2013068013A3; US9067255B2; WO2012104412A1; WO2018202612A1

Designated contracting state (EPC)

AT CH DE ES FR GB GR IT LI

DOCDB simple family (publication)

EP 0419443 A1 19910327; **EP 0419443 B1 19931027**; AT 393640 B 19911125; AT A220589 A 19910515; AT E96348 T1 19931115; AU 624997 B2 19920625; AU 6298190 A 19910418; CA 2042025 A1 19910321; DD 297579 A5 19920116; DE 59003226 D1 19931202; ES 2020911 A4 19911016; GR 910300060 T1 19911115; JP H04501827 A 19920402; US 5193378 A 19930316; WO 9104112 A1 19910404

DOCDB simple family (application)

EP 90890251 A 19900830; AT 220589 A 19890920; AT 9000086 W 19900830; AT 90890251 T 19900830; AU 6298190 A 19900830; CA 2042025 A 19900830; DD 34396690 A 19900912; DE 59003226 T 19900830; ES 90890251 T 19900830; GR 910300060 T 19911115; JP 51208290 A 19900830; US 65929891 A 19910501