

Title (en)
Bending device for bars

Title (de)
Maschine zum Biegen von Stangen

Title (fr)
Machine à cintrer des barres

Publication
EP 1579930 A1 20050928 (EN)

Application
EP 05101389 A 20050224

Priority
IT UD20040032 A 20040225

Abstract (en)
Bending device (10) to bend at least a bar (11), for example metal, comprising fixed contrasting members (13), a bending support (15) mounted rotary around the fixed contrasting members (13) both in a clockwise and anti-clockwise direction, and a bending element (16) mounted radially on the bending support (15) in order to rotate therewith, so as to bend the bar (11), in cooperation with the fixed contrasting members (13). The bending support (15) defines a lying plane (P) on which the bar (11) is positioned. The device (10) also comprises movement elements which move the bending element (16) with respect to the bending support (15) between a first operating position, wherein the bending element (16) is at least partly above the lying plane (P), and a second retracted position wherein the bending element (16) is below the lying plane (P).

IPC 1-7
B21D 11/12

IPC 8 full level
B21D 11/12 (2006.01)

CPC (source: EP)
B21D 11/12 (2013.01)

Citation (search report)
• [A] US 3857271 A 19741231 - RITTER J, et al
• [A] US 4456036 A 19840626 - ROSSI PIERGIORGIO [CH]
• [A] WO 9926739 A1 19990603 - PIEGATRICI MACCH ELETTR [IT], et al
• [A] EP 0379043 A1 19900725 - PIEGATRICI MACCH ELETTR [IT]
• [A] EP 0379030 A1 19900725 - PIEGATRICI MACCH ELETTR [IT]
• [A] EP 0538595 A1 19930428 - PIEGATRICI MACCH ELETTR [IT]
• [A] EP 0900602 A1 19990310 - OSCAM SPA [IT]
• [A] DE 2723846 A1 19771215 - HUFNAGL & CO RISTA DRAHT
• [A] EP 0437714 A1 19910724 - PIEGATRICI MACCH ELETTR [IT]

Cited by
US5772168A; CN109226584A; CN113996726A; WO2009068529A3

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

DOCDB simple family (publication)
EP 1579930 A1 20050928; EP 1579930 B1 20070926; AT E374083 T1 20071015; DE 602005002579 D1 20071108;
DE 602005002579 T2 20080626; ES 2297615 T3 20080501; IT UD20040032 A1 20040525

DOCDB simple family (application)
EP 05101389 A 20050224; AT 05101389 T 20050224; DE 602005002579 T 20050224; ES 05101389 T 20050224; IT UD20040032 A 20040225