

Title (en)
BENDING MACHINE

Title (de)
BIEGEMASCHINE

Title (fr)
MACHINE A CINTRER

Publication
EP 1542816 A1 20050622 (DE)

Application
EP 03740348 A 20030626

Priority
• EP 03740348 A 20030626
• EP 0306731 W 20030626
• DE 10245777 A 20020926

Abstract (en)
[origin: US2005160781A1] The invention concerns a bending machine comprising a machine frame, and upper bar and a lower bar mounted on the frame and mutually mobile, a bending bar mounted on the frame, a bending bar mounted on the frame and mobile relative to the frame, to the upper bar and to the lower bar, said bending bar being provided with a support and a bending tool pressing on said support via a bending device actuated by a control unit. The invention aims at making the bending adjustment faster and more accurate. Therefor, said bending device is equipped with an adjusting device capable of being used during a bending operation; the adjusting device, which is actuated by the control unit, can be controlled during a bending operation; at least one sensor associated with the control unit enables detection, through the adjusting device of an adjustment performed by the control unit. For a given bending operation, the control unit determines at least one bending parameter for the bending device, the bending bar tool being set in a substantially flexure-free position at the end of the bending operation.

IPC 1-7
B21D 5/04

IPC 8 full level
B21D 5/04 (2006.01); **B65D 27/06** (2006.01)

CPC (source: EP US)
B21D 5/0272 (2013.01 - EP US); **B21D 5/04** (2013.01 - EP US); **B65D 27/06** (2013.01 - EP US)

Citation (search report)
See references of WO 2004033125A1

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

DOCDB simple family (publication)
US 2005160781 A1 20050728; US 7234332 B2 20070626; AT E395991 T1 20080615; DE 10245777 A1 20040408; DE 50309893 D1 20080703; DK 1542816 T3 20080908; EP 1542816 A1 20050622; EP 1542816 B1 20080521; EP 1542816 B8 20081224; ES 2305478 T3 20081101; JP 2006500224 A 20060105; PT 1542816 E 20080619; WO 2004033125 A1 20040422; WO 2004033125 A8 20040722

DOCDB simple family (application)
US 8844205 A 20050324; AT 03740348 T 20030626; DE 10245777 A 20020926; DE 50309893 T 20030626; DK 03740348 T 20030626; EP 0306731 W 20030626; EP 03740348 A 20030626; ES 03740348 T 20030626; JP 2004542257 A 20030626; PT 03740348 T 20030626