

Title (en)

TUBE BENDING MACHINE AND ITS RIGHT AND/OR LEFT BENDING DEVICE

Title (de)

ROHRBIEGEMASCHINE UND LINKS- UND/ODER RECHTSBIEGEVORRICHTUNG

Title (fr)

MACHINE A CINTRER LES TUBES ET SON DISPOSITIF DE CINTRAGE A GAUCHE ET/OU A DROITE

Publication

**EP 1458505 A1 20040922 (FR)**

Application

**EP 02796898 A 20021205**

Priority

- FR 0204193 W 20021205
- FR 0116593 A 20011220

Abstract (en)

[origin: WO03053606A1] The invention concerns a tube bending machine comprising a bending arm (3) provided with a jaw support (7) which moves horizontally towards the bending head (2), said jaw support (7) being integral with a clamping jaw (8) which comprises at least a jaw (9, 11) for bending the tube (4) in a clockwise direction and at least jaw (10) for bending the tube (4) in an anti-clockwise direction, said jaws being mutually fixed, a bending roller (12) which is stationary on the bending arm (3) and which comprises at least a jaw (13, 15) for bending the tube (4) in a clockwise direction and at least a jaw (14) for bending the tube (4) in an anti-clockwise direction, said jaws (13, 14 and 15) being laterally offset relative to one another and on either side of the vertical axis (XX') of the bending head (2), a first gib support (16) which comprises at least a jaw (18, 19) for clamped accompaniment of the tube (4) when it is being bent in a clockwise direction, and a second gib support (17) which comprises at least a jaw (21) for clamped accompaniment of the tube (4) when it is being bent in an anti-clockwise direction.

IPC 1-7

**B21D 7/02**

IPC 8 full level

**B21D 7/02** (2006.01)

CPC (source: EP US)

**B21D 7/021** (2013.01 - EP US)

Citation (search report)

See references of WO 03053606A1

Cited by

DE102017117979A1; CN107282720A; WO2019029893A1; US11484928B2; EP3842163A1; FR3105034A1; US11331708B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03053606 A1 20030703**; AT E354446 T1 20070315; CA 2467366 A1 20030703; CA 2467366 C 20090908; DE 60218339 D1 20070405; DE 60218339 T2 20071115; EP 1458505 A1 20040922; EP 1458505 B1 20070221; FR 2833868 A1 20030627; FR 2833868 B1 20040305; US 2005172690 A1 20050811; US 7213430 B2 20070508

DOCDB simple family (application)

**FR 0204193 W 20021205**; AT 02796898 T 20021205; CA 2467366 A 20021205; DE 60218339 T 20021205; EP 02796898 A 20021205; FR 0116593 A 20011220; US 49901405 A 20050418