

Title (en)

Bending apparatus for thin-walled metal pipes

Title (de)

Biegevorrichtung für dünnwandige Metallrohre

Title (fr)

Dispositif de pliage pour tuyaux métalliques à paroi mince

Publication

**EP 1149640 A3 20021009 (DE)**

Application

**EP 01108674 A 20010406**

Priority

DE 10020727 A 20000427

Abstract (en)

[origin: DE10020727C1] The pipe bending device has a straight pipe guide (1) leading to a relatively pivoted bending block (2) provided with a clamp rail (3) and a flexible thorn (4) with a thorn shaft (5) inserted in the end of the pipe. The flexible thorn is provided by a coil spring (4a) and a spherical clamp head (4b), with an internal tensioning cable (6) used for axially tensioning the clamp head, the coil spring and the thorn shaft.

IPC 1-7

**B21D 9/01**; **B21D 9/07**

IPC 8 full level

**B21D 9/01** (2006.01); **B21D 9/07** (2006.01)

CPC (source: EP)

**B21D 9/01** (2013.01)

Citation (search report)

- [DA] DE 19707228 A1 19980827 - MAAS RUDI [DE]
- [A] US 2760545 A 19560828 - SVERRE SOLEMSLIE
- [A] US 1675574 A 19280703 - MYKINS WILLIAM K

Cited by

US11577048B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1149640 A2 20011031**; **EP 1149640 A3 20021009**; **EP 1149640 B1 20040623**; AT E269763 T1 20040715; DE 10020727 C1 20011004; DE 50102653 D1 20040729

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