

Title (en)

A tube punching and/or bending assembly, particularly for punching holes having axes transversely to one another and/or for bending a tube with curves not coplanar to one another.

Title (de)

Stanz- und/oder Biegevorrichtung für Rohre, insbesondere zum Stanzen von Löchern mit zueinander senkrechten Achsen und/oder zum Biegen eines Rohres mit Krümmungen in verschiedenen Ebenen.

Title (fr)

Dispositif pour le poinçonnage et/ou le cintrage de tubes en particulier pour le poinçonnage de trous à axes perpendiculaires l'un par rapport à l'autre et/ou pour le cintrage d'un tube à courbes dans des plans différents.

Publication

EP 0088152 A1 19830914 (EN)

Application

EP 82106553 A 19820721

Priority

IT 2001382 A 19820308

Abstract (en)

A tube punching assembly comprises a pair of jaws (42, 43) movable relatively to each other in a first direction to clamp an interposed tube; and a frame (83) integral with one of said jaws and carrying a rod or stem (84) movable in a second direction transverse to said first direction. Said rod carries a piercing punch (88) or a tube bending pad. One or both jaws are provided with openings for allowing the operation of said punch, and/or with a particular shape for cooperation in tube bending. Preferably, each jaw is provided with a punch (70, 75) which is movable in said first direction relative to the jaws. The jaws are carried onto a movable body (35) on a base (31).

IPC 1-7

B21D 28/28

IPC 8 full level

B21D 7/06 (2006.01); **B21D 28/28** (2006.01); **B21D 35/00** (2006.01)

CPC (source: EP)

B21D 7/06 (2013.01); **B21D 28/28** (2013.01); **B21D 35/00** (2013.01)

Citation (search report)

- [AD] US 3234838 A 19660215 - FAULL JAMES K
- [AD] US 3971275 A 19760727 - MACH JOHN J
- [AD] US 2844204 A 19580722 - LAWRENCE BEEBEE
- [Y] DE 2330224 B2 19790222
- [Y] US 1812046 A 19310630 - GROEHN OTTO J
- [Y] DE 3020545 A1 19810122 - TOKYO BEBI KK
- [A] FR 2416063 A1 19790831 - MATTHEY DORET BERNARD [IT]
- [A] US 2556987 A 19510612 - BERNARD STOUTD

Cited by

EP0315281A3; CN110405057A; CN112058969A; CN105478580A; CN104368677A; IT202000004189A1; FR2639853A1; CN104354316A; CN112077534A; CN101972809A; JP2020037152A; GB2318313A; GB2318313B; GB2279602A; GB2279602B; EP0417703A3

Designated contracting state (EPC)

BE CH DE GB LI NL SE

DOCDB simple family (publication)

EP 0088152 A1 19830914; IT 1198357 B 19881221; IT 8220013 A0 19820308

DOCDB simple family (application)

EP 82106553 A 19820721; IT 2001382 A 19820308