

Title (en)

Apparatus to produce annular corrugations in a metallic tube

Title (de)

Vorrichtung zur Herstellung von Querwellen an einem Metallrohr

Title (fr)

Dispositif pour réaliser des ondulations annulaires sur un tube métallique

Publication

**EP 1256395 A3 20040519 (DE)**

Application

**EP 02009919 A 20020503**

Priority

DE 10122763 A 20010510

Abstract (en)

[origin: EP1256395A2] The shaft fitting device (1) has co-axial clamping units (3, 4) for the metal tube (2). One of these (3) is fixed to the base frame (GG) and linked by longitudinal guides (9) to a an end plate (10). The other clamping unit (4) moves on these guides. The holding tools can be displaced radially. The clamping units are moved relative to each other by a feed cylinder.

IPC 1-7

**B21D 15/06**; **B21D 15/10**

IPC 8 full level

**B21D 15/10** (2006.01)

CPC (source: EP)

**B21D 15/10** (2013.01)

Citation (search report)

- [DY] DE 2851944 A1 19800612 - BENTELER WERKE AG
- [Y] US 3512385 A 19700519 - ADOLPHI GEORGE F
- [A] US 2954064 A 19600927 - DE MERS FRANCIS F
- [DA] EP 0395042 A2 19901031 - NHK SPRING CO LTD [JP]
- [A] US 3247694 A 19660426 - HOMFELDT BRANSFORD R, et al

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DOCDB simple family (publication)

**EP 1256395 A2 20021113**; **EP 1256395 A3 20040519**; **EP 1256395 B1 20070808**; AT E369218 T1 20070815; DE 10122763 A1 20021121; DE 10122763 B4 20071004; DE 50210623 D1 20070920

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