

Title (en)

Bending apparatus for tubular and rod-like workpieces and wiper die

Title (de)

Biegevorrichtung für stab- und rohrförmige Werkstücke und Faltenglätteranordnung

Title (fr)

Dispositif de cintrage pour les pièces en forme de tube et de barre et dispositif de lissage de pli

Publication

**EP 1700647 A1 20060913 (DE)**

Application

**EP 05005045 A 20050308**

Priority

EP 05005045 A 20050308

Abstract (en)

A tube bending assembly has a sliding bend-head (2) with a mandrel (7) and is free to rotate on an axis (53) parallel to that of the mandrel axis of rotation (M). The mandrel sliding grips (54) are applied to the mandrel bending groove by adjustment of the axle (53). The groove (56) is tangential to the mandrel bending groove (8).

IPC 8 full level

**B21D 9/07** (2006.01); **B21D 7/024** (2006.01)

CPC (source: EP US)

**B21D 7/024** (2013.01 - EP US)

Citation (applicant)

- DE 69624723 T2 20030313 - TOOLS FOR BENDING INC [US]
- US 5222552 A 19930629 - SCHUCHERT EUGENE H [US]
- DE 20118444 U1 20020221 - SENDROWSKI GUENTER [DE]

Citation (search report)

- [A] US 4380920 A 19830426 - COOP SR JEFFREY W [US], et al
- [A] US 5495740 A 19960305 - SCHWARZE RIGOBERT [DE]
- [A] GB 943918 A 19631211 - ERIC JOHN HAMPSON, et al
- [A] US 3410125 A 19681112 - HANS SCHMIDT
- [DA] DE 20118444 U1 20020221 - SENDROWSKI GUENTER [DE]

Cited by

ITRM20090534A1; CN109158510A; CN106216456A; CN113165042A; CN104190766A; EP3771503A1; FR3099394A1; WO2016165479A1; US10780487B2; US11745244B2; WO2020100048A1

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