

Title (en)

Method and device for producing a bent component

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Biegeteils

Title (fr)

Procédé et dispositif de fabrication d'une pièce pliée

Publication

EP 2353748 B1 20120509 (DE)

Application

EP 10015530 A 20101210

Priority

DE 102010007888 A 20100208

Abstract (en)

[origin: EP2353748A1] The method involves moving a section of an elongate work piece (120) e.g. wire and tube, by supply positions into an initial position in an engaging region of a bending head (130) by coordinated controlling of movements of machine axles of a bending machine in a bending process. The section of the work piece is deformed by bending using the bending head in a bending operation. A compensation movement avoiding vibration generation and/or removing vibration energy from a vibrating end section of a bent component is generated during a vibration-relevant movement in a compensation time interval. The bending machine is formed as a computer numerical control (CNC) bending machine and a single-head bending machine. Independent claims are also included for the following: (1) a device for manufacturing a bent component (2) a computer program product comprising instructions to perform a method for manufacturing a bent component.

IPC 8 full level

B21F 1/00 (2006.01); **B21D 7/12** (2006.01)

CPC (source: EP US)

B21D 7/12 (2013.01 - EP US); **B21F 1/00** (2013.01 - EP US)

Cited by

CN115673762A; CN105334801A; DE102017213967A1; WO2023208466A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2353748 A1 20110810; EP 2353748 B1 20120509; AT E556793 T1 20120515; CN 102189198 A 20110921; CN 102189198 B 20151021; DE 102010007888 A1 20110811; US 2011192204 A1 20110811; US 8573019 B2 20131105

DOCDB simple family (application)

EP 10015530 A 20101210; AT 10015530 T 20101210; CN 201110034967 A 20110209; DE 102010007888 A 20100208; US 90064110 A 20101008