

Title (en)

Apparatus for forming spiral steel bars

Title (de)

Vorrichtung zur Herstellung spiralförmiger Stahlstäbe

Title (fr)

Dispositif de fabrication des barres en acier hélicoïdales

Publication

EP 1787739 A1 20070523 (EN)

Application

EP 06009233 A 20060504

Priority

CN 200510123909 A 20051122

Abstract (en)

A spiral steel bar forming apparatus comprises a bar bending device (200), a bar driving device (300) and an interval generating device (400). The bar driving device (300) and the interval generating device (400) are disposed corresponding to the bar input side (201) and the bar output side (203) of the bar bending device (200) relatively. The bar bending device (200) includes a first axis (210) and a bending part (230). The bending part (230) is movable corresponding to the first axis (210), wherein the bending part (230) is rotatable about the first axis (210) in the preferred embodiment. The bar driving device (300) is disposed corresponding to the bar input side (201) of the bar bending device (200). The interval generating device (400) is disposed corresponding to the outside of the bending device (200), wherein the interval generating device (400) is movable along the interval generating direction (410) and pushes the steel bar output from the bar bending device (200) to generate intervals. A spiral steel bar forming method comprises driving the steel bar (110), bending the steel bar (110) in a predetermined position by using a bar bending device (200); and pushing the steel bar output from the bar bending device (200) along an interval generating direction (410) to generate intervals.

IPC 8 full level

B21F 27/12 (2006.01); **B21D 11/12** (2006.01)

CPC (source: EP)

B21D 11/06 (2013.01); **B21D 11/12** (2013.01); **B21F 1/00** (2013.01); **B21F 27/121** (2013.01)

Citation (search report)

- [A] FR 1590141 A 19700413
- [A] WO 9324254 A1 19931209 - ANAGNOSTOPOULOS A PANAGIOTIS [GR]
- [A] EP 0860218 A2 19980826 - EUROBEND SA [GR]
- [A] EP 1535675 A1 20050601 - GALANOS S A [GR]

Cited by

CN111889549A; ITBO20110048A1; CN114472748A; WO2012104412A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1787739 A1 20070523; **EP 1787739 B1 20081203**; AT E416049 T1 20081215; CN 100450661 C 20090114; CN 1970190 A 20070530; DE 602006003985 D1 20090115; PT 1787739 E 20090310

DOCDB simple family (application)

EP 06009233 A 20060504; AT 06009233 T 20060504; CN 200510123909 A 20051122; DE 602006003985 T 20060504; PT 06009233 T 20060504