Title (en)

BEND CORRECTION METHOD

Title (de)

VERFAHREN ZUR KRÜMMUNGSKORREKTUR

Title (fr)

PROCÉDÉ DE CORRECTION DE COURBURE

Publication

EP 3834956 A4 20220706 (EN)

Application

EP 19848710 A 20190806

Priority

- JP 2018150091 A 20180809
- JP 2019030998 W 20190806

Abstract (en)

[origin: EP3834956A1] There is provided a method for bend straightening in which a steel pipe having a bend is placed in a state where the steel pipe is convex upward, the steel pipe is pressed from above by a press unit at a target load value, whereby the steel pipe is straightened, the method including: (a) a step of measuring a bottom-dead-center load value Pk when the press unit is at a bottom dead center in the pressing; (b) a step of measuring an amount of change Δδ in amount of bend between an amount of bend of the steel pipe before the pressing in the step (a) and an amount of bend of the steel pipe after the pressing in the step (a); (c) a step of repeating the step (a) and the step (b) a plurality of times to create a relational expression Pk = f(Δδ); and (d) a step of determining a target load value for next pressing from the relational expression Pk = f(Δδ).

IPC 8 full level

B21D 3/10 (2006.01)

CPC (source: EP US)

B21D 3/10 (2013.01 - EP US)

Citation (search report)

- [XI] KR 20140085835 A 20140708 - RES INST IND SCIENCE & TECH [KR]
- [XI] JP S6146320 A 19860306 - NISSAN MOTOR
- [XDI] JP H105872 A 19980113 - NIPPON SEIKO KK
- [XI] JP S63144822 A 19880617 - NIPPON STEEL CORP, et al
- See references of WO 2020032070A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3834956 A1 20210616; **EP 3834956 A4 20220706**; CN 112543683 A 20210323; JP 7036215 B2 20220315; JP WO2020032070 A1 20210430; US 2021229153 A1 20210729; WO 2020032070 A1 20200213

DOCDB simple family (application)

EP 19848710 A 20190806; CN 201980052861 A 20190806; JP 2019030998 W 20190806; JP 2020535814 A 20190806; US 201917054031 A 20190806