

Title (en)

EDGE BENDING METHOD AND APPARATUS OF STEEL PLATE, AND METHOD AND FACILITY FOR MANUFACTURING STEEL PIPE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BIEGEN VON STAHLPLATTENKANTEN SOWIE VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON STAHLROHREN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PLIAGE D'UN BORD D'UNE PLAQUE D'ACIER ET PROCÉDÉ ET INSTALLATION POUR LA FABRICATION DE TUYAU EN ACIER

Publication

EP 3778051 B1 20240417 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3778051A1] Proposed is an edge bending method of a steel plate in which bending of widthwise edges Sc and Sd of a steel plate S is performed several times by a pair of dies 23 and 24 while the steel plate S is intermittently conveyed by a conveyance mechanism 21 such that the widthwise edges Sc and Sd of the steel plate S are bent across an entire length. Edge bending is performed by using the pair of dies 23 and 24, in which the die 24 that contacts a surface positioned at the outer side of the edge bending of the widthwise edges Sc and Sd of the steel plate to be bent includes a flat part 24a that contacts the surface positioned at the outer side of the bending and a transition part 24b formed of a curved surface provided adjacent to the flat part 24a on a delivery side in the conveyance direction, and the flat part 24a and the transition part 24b are connected to have a common tangent line.

IPC 8 full level

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