

Title (en)

METHOD FOR PRODUCING STEEL H-BEAM, AND ROLLING MILL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES H-TRÄGERS AUS STAHL UND WALZWERK

Title (fr)

PROCÉDÉ DE PRODUCTION DE POUTRE D'ACIER EN H, ET LAMINOIR

Publication

EP 3388160 A1 20181017 (EN)

Application

EP 16883696 A 20161117

Priority

- JP 2016002066 A 20160107
- JP 2016084141 W 20161117

Abstract (en)

To efficiently and stably produce an H-shaped steel product with a flange width larger than a conventional flange width, and separately shape by the same roll H-shaped steels different in flange width in the H-shaped steel product with a large flange width. A rolling mill that performs a rough rolling step is engraved with a plurality of calibers configured to shape a material to be rolled, the number of the plurality of calibers being seven or more; the plurality of calibers include a plurality of wedging calibers as calibers at a previous stage provided with projections configured to create splits vertically with respect to a width direction of the material to be rolled, and a plurality of bending calibers as calibers at a subsequent stage configured to bend flange corresponding portions of the material to be rolled formed by the wedging calibers; the wedging calibers include calibers configured to create two kinds of splits different in length; the bending calibers include calibers having dimensions according to two kinds of flange corresponding portions different in length formed in the material to be rolled in the wedging calibers; and in the bending calibers, reduction is performed in a state where end surfaces of the material to be rolled are in contact with peripheral surfaces of the calibers in shaping in at least one pass or more.

IPC 8 full level

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CPC (source: EP KR US)

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