

Title (en)

METHOD FOR MANUFACTURING STEEL H-BEAM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES H-TRÄGERS AUS STAHL

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE POUTRELLE D'ACIER À PROFIL EN H

Publication

EP 3650131 A1 20200513 (EN)

Application

EP 18832051 A 20180711

Priority

- JP 2017136551 A 20170712
- JP 2018026218 W 20180711

Abstract (en)

A method for producing H-shaped steel, the method includes: a rough rolling step; an intermediate rolling step; and a finish rolling step, wherein: a rolling mill that performs the rough rolling step is engraved with a plurality of calibers configured to shape a material to be rolled; the plurality of calibers include: one or a plurality of split calibers formed with projections configured to create splits vertically with respect to a width direction of the material to be rolled to form divided parts at end parts of the material to be rolled; and a plurality of bending calibers formed with projections configured to come into contact with the splits and sequentially bend the divided parts formed by the split caliber; and the projections formed in a final split caliber of the split calibers are each composed a tip part in a tapered shape having a predetermined tip angle, and a base part located at a base of the tip part and having a tapered shape with a gentle inclination as compared with the tip part.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019013262A1

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