

Title (en)
H-STEEL MANUFACTURING METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON H-STAHLTRÄGERN

Title (fr)
PROCEDE DE FABRICATION DE POUTRES EN ACIER EN I

Publication
EP 0736341 A4 19980930 (EN)

Application
EP 95902974 A 19941216

Priority
• JP 9402123 W 19941216
• JP 31956793 A 19931220

Abstract (en)
[origin: WO9517269A1] This invention relates to a method of manufacturing H-steel used for building. The method according to the present invention is used for the intermediate rolling of H-steel in a mill unit UT in which a universal roughing mill UR and a universal edger mill UE are arranged close to each other, characterized by pressing down free end portions of a flange by a horizontal roll of the UE with the width of the horizontal roll set smaller than that of a corresponding roll of the UR and with an outer surface of the flange held by a vertical roll of the UE, and pressing down the flange in the direction of the thickness thereof with the horizontal roll of the UE set width-variable and with a bore mold formed by the horizontal roll and vertical roll. This enables the buckling of the flange during the pressing of the flange in the widthwise direction thereof by the UE will to be prevented, and H-steel having a dimensional precision/comparable to that of welded H-steel to be manufactured by hot rolling.

IPC 1-7
B21B 1/08

IPC 8 full level
B21B 1/08 (2006.01)

CPC (source: EP)
B21B 1/088 (2013.01); **B21B 1/0886** (2013.01)

Citation (search report)
• [XY] PATENT ABSTRACTS OF JAPAN vol. 004, no. 092 (M - 018) 3 July 1980 (1980-07-03)
• [YA] PATENT ABSTRACTS OF JAPAN vol. 010, no. 331 (M - 533) 11 November 1986 (1986-11-11)
• [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 189 (M - 237) 18 August 1983 (1983-08-18)
• See references of WO 9517269A1

Cited by
CN103862227A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
WO 9517269 A1 19950629; AU 1200795 A 19950710; AU 681219 B2 19970821; EP 0736341 A1 19961009; EP 0736341 A4 19980930; JP 2943326 B2 19990830; KR 100254493 B1 20000501

DOCDB simple family (application)
JP 9402123 W 19941216; AU 1200795 A 19941216; EP 95902974 A 19941216; JP 51731395 A 19941216; KR 19960703285 A 19960620