

Title (en)

METHOD OF AND APPARATUS FOR HOT ROLLING H-STEEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WARMWALZEN VON H-STAHLTRÄGERN

Title (fr)

PROCEDE ET DISPOSITIF DE LAMINAGE A CHAUD D'ACIER A PROFIL EN H

Publication

EP 0760263 A4 19990303 (EN)

Application

EP 96906060 A 19960315

Priority

- JP 9600688 W 19960315
- JP 5910995 A 19950317

Abstract (en)

[origin: WO9629160A1] Object: to prevent (1) a flange eating trouble, (2) the abrasion of a side surface of a width fixing horizontal roll and an increase in the frequency of a roll replacement operation, (3) the abrasion of a side surface of a width fixing horizontal roll, and (4) the occurrence of a shave flaw in an inner surface of a flange, during the tandem rolling of UR+E+UF. Constitution: a reverse rolling operation is carried out by setting a horizontal roll distance W_r in a UR mill, a horizontal roll distance W_f in a UF mill and a horizontal roll trunk portion distance W_e in an E mill to $W_f > W_e$, W_r , or $W_e < W_f$, W_r .

IPC 1-7

B21B 1/08

IPC 8 full level

B21B 1/08 (2006.01)

CPC (source: EP)

B21B 1/0886 (2013.01)

Citation (search report)

- [PXA] WO 9517269 A1 19950629 - SUMITOMO METAL IND [JP], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 017, no. 479 (M - 1471) 31 August 1993 (1993-08-31)
- See references of WO 9629160A1

Cited by

EP0881004A3; CN105057345A

Designated contracting state (EPC)

DE ES GB LU

DOCDB simple family (publication)

WO 9629160 A1 19960926; AU 4955796 A 19961008; AU 693326 B2 19980625; DE 69623208 D1 20021002; DE 69623208 T2 20030417; EP 0760263 A1 19970305; EP 0760263 A4 19990303; EP 0760263 B1 20020828; ES 2182966 T3 20030316

DOCDB simple family (application)

JP 9600688 W 19960315; AU 4955796 A 19960315; DE 69623208 T 19960315; EP 96906060 A 19960315; ES 96906060 T 19960315