

Title (en)

PROCESS FOR MANUFACTURING HOT ROLLED STEEL STRIPS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WARMGEWALZTEM STAHLBAND

Title (fr)

PROCEDE DE FABRICATION DE FEUILLARDS EN ACIER LAMINES A CHAUD

Publication

EP 0904165 B1 20020306 (DE)

Application

EP 97921621 A 19970415

Priority

- DE 9700787 W 19970415
- DE 19617856 A 19960423

Abstract (en)

[origin: US2001007267A1] The invention is directed to a process for the production of hot-rolled steel strip from continuously cast precursor strip in at least two deformation stages, each deformation stage having one or more roll stands, wherein initial rolling is carried out in the first deformation stage at the output speed at which the precursor strip exits from the continuous casting plant and the intermediate strip thus produced is coiled prior to the second deformation stage at the output speed at which it exits from the first deformation stage, wherein the coil is uncoiled after reaching the coil weight and is supplied to the second deformation stage for finish rolling at the initial roll pass speed and is then coiled in the desired finished coil sizes. In the first deformation stage, at least 40 tons of a casting sequence of the continuous casting plant is rolled out in endless manner to form intermediate strip and is coiled to form an intermediate coil without severing, and after more or less endless finish rolling the intermediate strip of this intermediate coil is severed according to the desired coil weights and coiled as finished strip only following the second deformation stage.

IPC 1-7

B21B 1/46

IPC 8 full level

B21B 1/00 (2006.01); **B21B 1/26** (2006.01); **B21B 1/46** (2006.01); **B21C 47/02** (2006.01); **B22D 11/14** (2006.01); **B21B 45/00** (2006.01)

CPC (source: EP US)

B21B 1/463 (2013.01 - EP US); **B21C 47/02** (2013.01 - EP US); **B21B 45/004** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

US 2001007267 A1 20010712; AT E213974 T1 20020315; CN 1081097 C 20020320; CN 1216485 A 19990512; DE 19617856 C1 19970417; DE 59706562 D1 20020411; EP 0904165 A1 19990331; EP 0904165 B1 20020306; ID 19561 A 19980723; JP 2000508587 A 20000711; JP 4056086 B2 20080305; RU 2170640 C2 20010720; WO 9739842 A1 19971030; ZA 972449 B 19970929

DOCDB simple family (application)

US 17173598 A 19981204; AT 97921621 T 19970415; CN 97194060 A 19970415; DE 19617856 A 19960423; DE 59706562 T 19970415; DE 9700787 W 19970415; EP 97921621 A 19970415; ID 971307 A 19970421; JP 53759197 A 19970415; RU 98120908 A 19970415; ZA 972449 A 19970320