

Title (en)
Hot strip mill for hot strip of 0,5 mm thickness

Title (de)
Warmbandstrasse für 0,5 mm dickes Warmband

Title (fr)
Train pour bandes à chaud de 0,5 mm d'épaisseur

Publication
EP 0893168 A3 19990331 (DE)

Application
EP 98250221 A 19980618

Priority
• DE 19732538 A 19970723
• DE 19749716 A 19971031

Abstract (en)
[origin: EP0893168A2] Production of a hot rolled strip with a final thickness below 1 mm out of a cast strip in successive steps is claimed, in which the solidified strip from the casting installation (2, 2') is cut into lengths and is heated in run-through furnaces (4, 4') to its rolling temperature. After descaling the cast strip with a maximum thickness of 90 mm is rolled in a reversing mode in the tandem roll stand group (7). After the first and second pass it is coiled/uncoiled in furnaces (8, 9). After the third pass the strip is coiled for intermediate storage in a coiling unit (10) with two furnaces arranged on top of one another. Simultaneously with coiling of one strip segment, another segment is uncoiled and welded to the end of a previously uncoiled segment in a welding machine (12). The endless strip thus produced passes through another storage unit (13) into a finish rolling section (15).

IPC 1-7
B21B 1/46

IPC 8 full level
B21B 1/26 (2006.01); **B21B 1/34** (2006.01); **B21B 1/46** (2006.01); **B21B 9/00** (2006.01); **B21B 13/22** (2006.01); **B21B 15/00** (2006.01); **B21B 45/00** (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP US)
B21B 1/466 (2013.01 - EP US); **B21B 1/34** (2013.01 - EP US); **B21B 2045/006** (2013.01 - EP US); **Y10T 29/49991** (2015.01 - EP US)

Citation (search report)
• [A] EP 0734793 A1 19961002 - MANNESMANN AG [DE]
• [A] EP 0761326 A1 19970312 - SCHLOEMANN SIEMAG AG [DE]
• [A] WO 9701401 A1 19970116 - HOOGOVENS STAAL BV [NL], et al
• [A] WO 9632509 A1 19961017 - VOEST ALPINE IND ANLAGEN [AT], et al
• [A] EP 0460655 A2 19911211 - HITACHI LTD [JP]

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0893168 A2 19990127; **EP 0893168 A3 19990331**; **EP 0893168 B1 20020522**; DE 59804172 D1 20020627; JP H1177111 A 19990323; US 6023835 A 20000215

DOCDB simple family (application)
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