

Title (en)
METHOD AND DEVICE FOR PRODUCING HOT-ROLLED STRIPS AND PLATES

Title (de)
VERFAHREN ZUR ERZEUGUNG VON WARMBAND UND BLECHEN

Title (fr)
PROCEDE DE PRODUCTION DE FEUILLARD A CHAUD ET DE TOLES

Publication
EP 1112128 B1 20030102 (DE)

Application
EP 99969051 A 19990908

Priority
• DE 9902866 W 19990908
• DE 19843200 A 19980914

Abstract (en)
[origin: US6451136B1] A method for producing hot-rolled strip and plates in a production plant having a continuous casting installation for slabs 100-180 mm thick, descaling sprays, a single- or multiple-stand rolling unit with or without edging, a cooling interval, a heating furnace, and a Steckel mill. Between the continuous casting installation and the heating furnace, only the skin layer of the previously descaled slab is deformed in-line, recrystallized during and after deformation, and then cooled in several stages to a temperature below the Ar3 transformation point and temporarily maintained there until the microstructural transformation of the recrystallized, fine-grained austenite to ferrite/pearlite has been completed.

IPC 1-7
B21B 1/02; **C21D 9/00**; **C21D 8/02**; **C21D 8/04**

IPC 8 full level
B21B 1/02 (2006.01); **B21B 1/34** (2006.01); **B21B 1/46** (2006.01); **B21B 45/02** (2006.01); **C21D 8/02** (2006.01); **C21D 8/04** (2006.01); **C21D 9/00** (2006.01)

CPC (source: EP US)
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DOCDB simple family (publication)
US 6451136 B1 20020917; AT E230315 T1 20030115; AU 1149200 A 20000403; CA 2344423 A1 20000323; CA 2344423 C 20070904; CN 1142038 C 20040317; CN 1317999 A 20011017; DE 19843200 C1 19990805; DE 59903924 D1 20030206; EP 1112128 A1 20010704; EP 1112128 B1 20030102; ES 2186438 T3 20030501; RU 2224605 C2 20040227; WO 0015362 A1 20000323

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