

Title (en)
Low cost apparatus and method for manufacture of light gauge steel strip

Title (de)
Preisgünstige Vorrichtung und Verfahren zur Herstellung von dünnem Stahlband

Title (fr)
Dispositif et procédé à faible coût pour fabriquer de bande d'acier mince

Publication
EP 0937512 A1 19990825 (EN)

Application
EP 99300895 A 19990208

Priority
GB 9803409 A 19980219

Abstract (en)
The invention relates to a method for the manufacture of light gauge steel strip comprising, sequentially, continually casting steel (1), cutting or shearing (2) the hot cast steel into slabs and charging into a furnace (3) which either reheats and/or homogenises the temperature and metallurgical quality of the material, descaling (4) the steel, and then reducing the steel in a roughing stand (5) and then rolling in a Steckel mill (7), or reducing directly in a Steckel mill (7) wherein the hot steel strip exits the Steckel mill (7) with a gauge of approximately 1 mm and is passed in tandem into a finishing mill (15). Zoned cooling units (14) are arranged between the Steckel mill (7) exit and the finishing mill to homogenise the temperature along the length and width of the strip and the cooling units may be adjusted to enable a wide range of entry temperatures of the strip to the finishing stand (15) such that the steel strip entering the finishing stand (15) may be in either the intercritical or ferritic phase. <IMAGE>

IPC 1-7
B21B 1/26; **B21B 1/46**; **B21B 1/34**

IPC 8 full level
B21B 1/26 (2006.01); **B21B 1/34** (2006.01); **B21B 1/46** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01)

CPC (source: EP)
B21B 1/26 (2013.01); **B21B 1/34** (2013.01); **B21B 1/466** (2013.01); **B21B 2201/02** (2013.01); **B21B 2201/04** (2013.01); **B21B 2201/16** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0937512 A1 19990825; GB 2334464 A 19990825; GB 2334464 B 20000112; GB 9803409 D0 19980415; GB 9903168 D0 19990407; JP H11315325 A 19991116

DOCDB simple family (application)
EP 99300895 A 19990208; GB 9803409 A 19980219; GB 9903168 A 19990216; JP 4057299 A 19990218