

Title (en)

METHOD OF MAKING HOT ROLLED STRIP WITH A HIGH QUALITY SECTION AND FLATNESS

Publication

EP 0121148 B1 19890215 (DE)

Application

EP 84102546 A 19840309

Priority

- DE 3309040 A 19830314
- DE 3401894 A 19840120

Abstract (en)

[origin: US4711109A] A metallic strip is hot-rolled in a succession of roll stands arranged in a row by passing the strip longitudinally in a travel direction through the stands. The strip is then compressed in the upstream stands to substantially reduce its thickness measured perpendicular to the travel direction and parallel to the strip while substantially increasing its width measured perpendicular to the travel direction and transverse to the strip. Then in the downstream stands it is compressed and tensioned without substantially increasing its width to level it and stretch it longitudinally in the travel direction. With standard steel strip this critical thickness is about 12 mm. The local band thickness is measured downstream of the upstream roll stands and the furthest downstream stand of the upstream stands is operated to eliminate any nonuniformities in thickness thus detected. The nonuniformities are detected by comparing the local band thicknesses detected with standard set-point thicknesses.

IPC 1-7

B21B 37/12

IPC 8 full level

B21B 37/00 (2006.01); **B21B 37/28** (2006.01)

CPC (source: EP US)

B21B 37/28 (2013.01 - EP US)

Cited by

CN104368607A; US4771622A; DE3430034A1; DE4040360A1; US5502992A; EP3943210A1; US11938528B2; EP3888810A1; KR20220134042A; WO9534388A1; WO9524281A1; WO2022017690A1; WO9300181A1; WO2021197647A1; WO2020016387A1

Designated contracting state (EPC)

BE DE FR SE

DOCDB simple family (publication)

EP 0121148 A1 19841010; **EP 0121148 B1 19890215**; DE 3476742 D1 19890323; JP 2583481 B2 19970219; JP S59197309 A 19841108; US 4711109 A 19871208

DOCDB simple family (application)

EP 84102546 A 19840309; DE 3476742 T 19840309; JP 4729184 A 19840314; US 84547886 A 19860327