

Title (en)

Method of dressing metal bands passing through.

Title (de)

Verfahren zum Richten von Metallbändern im Durchlauf.

Title (fr)

Procédé pour dresser des rubans métalliques en courant.

Publication

EP 0470512 B1 19931215 (DE)

Application

EP 91112996 A 19910802

Priority

DE 4024794 A 19900804

Abstract (en)

[origin: JPH04262823A] PURPOSE: To exclusively straighten a continuously transferring metal strip into flatness by exerting as considerable bending deformation and a low tensile stress on a metal strip on a first tensile bending distance and exerting a considerable tensile stress and a small bending deformation on the same on a second tensile bending distance. CONSTITUTION: Two continuously arranged tensile bending distances 2, 5 are provided in the direction in which a metal strip B to be flatly straightened runs. The metal strip B is passed through a first tensile bending distance 2 via a pair of S type rollers, 1, 1', a second tensile bending distance 5 via the other pair of driving S type rollers 4, 4' and a distance from there to a coiling device via a third driving S type rollers 7, 7', respectively. Roller straightening devices 3, 6 are arranged in respective tensile bending distances 2, 5. A tensile stress is specified to 20-50% of the yield point stress of the metal strip B in the first tensile bending distance 2 and 50-90% of the same in the second tensile bending distance 5, respectively. Consequently, the metal strip B is not only held in required flatness but also the flatness is permanently maintained.

IPC 1-7

B21D 1/05; **B21D 1/02**

IPC 8 full level

B21D 1/02 (2006.01); **B21D 1/05** (2006.01)

CPC (source: EP US)

B21D 1/05 (2013.01 - EP US)

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0470512 A2 19920212; **EP 0470512 A3 19920408**; **EP 0470512 B1 19931215**; DE 4024794 A1 19920206; DE 4024794 C2 19931125; DE 59100726 D1 19940127; JP H04262823 A 19920918; US 5161400 A 19921110

DOCDB simple family (application)

EP 91112996 A 19910802; DE 4024794 A 19900804; DE 59100726 T 19910802; JP 28234491 A 19910805; US 73883891 A 19910801