

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