

Title (en)

Set of rollers with at least two deflection rollers for S-shaped deflection of thin metal strips

Title (de)

Rollensatz mit zumindest zwei Umlenkrollen für die S-förmige Umlenkung dünner Metallbänder

Title (fr)

Jeu de rouleaux avec au moins deux rouleaux de guidage pour la déviation en forme de S de bandes métalliques minces

Publication

**EP 0587995 B1 19960320 (DE)**

Application

**EP 93108722 A 19930529**

Priority

DE 4230243 A 19920910

Abstract (en)

[origin: US5341664A] The bridle or bridles of a stretching or levelling line for a thin metal strip, e.g. of a thickness of up to 1 mm, can have at least one roll of a periphery variable between an outwardly convex and an inwardly concave bulge to compensate for dishing of the strip or edge waviness.

IPC 1-7

**B21B 39/08**; **B21D 1/05**

IPC 8 full level

**B21B 27/05** (2006.01); **B21B 39/08** (2006.01); **B21D 1/05** (2006.01); **B21B 1/36** (2006.01); **B21B 15/00** (2006.01)

CPC (source: EP US)

**B21B 27/05** (2013.01 - EP US); **B21B 39/08** (2013.01 - EP US); **B21D 1/05** (2013.01 - EP US); **B21B 1/36** (2013.01 - EP US); **B21B 2015/0071** (2013.01 - EP US)

Cited by

EP1955786A1; DE102007006810B3; EP1479460A1

Designated contracting state (EPC)

BE FR GB

DOCDB simple family (publication)

**DE 4230243 C1 19940127**; CA 2104852 A1 19940311; CA 2104852 C 19950822; EP 0587995 A1 19940323; EP 0587995 B1 19960320; US 5341664 A 19940830

DOCDB simple family (application)

**DE 4230243 A 19920910**; CA 2104852 A 19930825; EP 93108722 A 19930529; US 9223093 A 19930714