

Title (en)  
Straightening machine for sheets and strips

Title (de)  
Richtmaschine für Bleche und Bänder

Title (fr)  
Machine à dresser pour tôles et feuillards

Publication  
**EP 0599054 B1 19970212 (DE)**

Application  
**EP 93116934 A 19931020**

Priority  
DE 4235931 A 19921023

Abstract (en)  
[origin: US5392627A] A leveling machine for metal sheet or strip with upper and lower leveling rollers offset relative to one another and supported by back-up rollers, which are located between web plates lying on adjustment wedges supported on roller blocks and cross ties, includes discharge rods reciprocating in the metal plate traveling direction and disposed between the web plates.

IPC 1-7  
**B21D 1/02; B21D 1/05**

IPC 8 full level  
**B21D 1/00** (2006.01); **B21D 1/02** (2006.01); **B21D 1/05** (2006.01)

CPC (source: EP US)  
**B21D 1/02** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE ES FR GB IT

DOCDB simple family (publication)  
**US 5392627 A 19950228**; AT E148841 T1 19970215; DE 4235931 A1 19940428; DE 4235931 C2 20010621; DE 59305447 D1 19970327; EP 0599054 A1 19940601; EP 0599054 B1 19970212; RU 2112617 C1 19980610

DOCDB simple family (application)  
**US 14131393 A 19931022**; AT 93116934 T 19931020; DE 4235931 A 19921023; DE 59305447 T 19931020; EP 93116934 A 19931020; RU 93048179 A 19931022