

Title (en)

Method and roll straightening device for straightening rails

Title (de)

Verfahren und Rollenrichtmaschine zum Richten von Schienen

Title (fr)

Méthode et dispositif de dressage à rouleaux pour le dressage des rails

Publication

EP 1201329 A3 20030312 (DE)

Application

EP 01125208 A 20011024

Priority

DE 10053933 A 20001031

Abstract (en)

[origin: EP1201329A2] To align and straighten rails (S) to be used in a railway permanent way, after cooling at the end of hot rolling, each rail is passed through an alignment machine (R). A group of alignment rollers (1-7) act on the rail foot (F) and a group of rollers align the rail head (K). The rollers of at least one group can be set against the rail and, as the rail moves through into the first three rollers, the distortion is established by comparison of the alignment rollers in the groups until the maximum distortion is reached. As the rail advances, the other rollers are set to counter the distortion by the measured amount to correct it into a straight rail.

IPC 1-7

B21D 3/05

IPC 8 full level

B21D 3/00 (2006.01); **B21D 3/02** (2006.01); **B21D 3/05** (2006.01)

CPC (source: EP)

B21D 3/05 (2013.01)

Citation (search report)

- [XD] DE 3605648 A1 19870827 - KRUPP STAHL AG [DE]
- [X] DE 2416148 A1 19741017 - NIPPON STEEL CORP
- [A] DATABASE WPI Section Ch Week 200011, Derwent World Patents Index; Class M21, AN 2000-125497, XP002227168

Cited by

CN109500298A; CN116910944A; DE102008059108A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1201329 A2 20020502; EP 1201329 A3 20030312; EP 1201329 B1 20060419; AT E323561 T1 20060515; CZ 20013896 A3 20020717; CZ 298418 B6 20070926; DE 10053933 A1 20020516; DE 10053933 B4 20050127; DE 50109543 D1 20060524

DOCDB simple family (application)

EP 01125208 A 20011024; AT 01125208 T 20011024; CZ 20013896 A 20011030; DE 10053933 A 20001031; DE 50109543 T 20011024