

Title (en)

DEVICE FOR STRAIGHTENING AND FEEDING HOT-ROLLED WIRES WITH A NATURAL HARDNESS TO A USER

Publication

EP 0255507 B1 19921007 (DE)

Application

EP 87890150 A 19870702

Priority

AT 202786 A 19860728

Abstract (en)

[origin: US4774824A] In an apparatus for feeding self-hardening hot rolled wires from supply reels to a consumer and for straightening the wires, in each feed path there is a rotor-type straightening device (3) with a straightening rotor (3b) deflecting the wire (1) radially between two fixed wire guides (3a) and rotating at high speed; the wire forms loops (12, 16), in front of and behind the rotor-type straightening device (3), the front loop (12) having assigned to it a sensing means (5, 8, 10) which switches off the rotor-type straightening device (3) when the length of this loop falls below a minimum value, while assigned to the rear loop (16) are two switches (18, 19) which, when a maximum or a minimum permitted length of this loop is reached, control the rotor-type straightening device (3) so as to correct the loop length.

IPC 1-7

B21F 1/02; B21F 23/00

IPC 8 full level

B21D 43/02 (2006.01); **B21F 1/02** (2006.01); **B21F 23/00** (2006.01)

CPC (source: EP US)

B21D 43/022 (2013.01 - EP US); **B21F 1/02** (2013.01 - EP US); **B21F 23/00** (2013.01 - EP US)

Cited by

DE102010047531A1; WO2012045381A1; CN106694697A; US5865051A; CN107186126A; DE102010047531B4; EP1514823A1; DE4443503A1; EP0780174A1; US7398903B2; US9586249B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0255507 A2 19880203; EP 0255507 A3 19900314; EP 0255507 B1 19921007; AT 386364 B 19880810; AT A202786 A 19880115; AT E81313 T1 19921015; AU 592884 B2 19900125; AU 7613787 A 19880204; DE 3782110 D1 19921112; US 4774824 A 19881004

DOCDB simple family (application)

EP 87890150 A 19870702; AT 202786 A 19860728; AT 87890150 T 19870702; AU 7613787 A 19870727; DE 3782110 T 19870702; US 7188887 A 19870710