Title (en)

POSITION CONTROL DEVICE FOR SIDEGUIDES OR GUIDE ROLLERS THAT ARE ARRANGED SHIFTABLE AT RIGHT ANGLES TO THE DIRECTION OF ROLLING BEFORE HOT STRIP FINISHING ROLLING MILLS

Publication

**EP 0166981 B1 19880629 (DE)**

Application

**EP 85106802 A 19850603**

Priority

DE 3423560 A 19840627

Abstract (en)

[origin: US4590778A] In a positioning control device for guiding the side edges of an elongated strip at the entrance into a hot-rolled wide strip finish rolling mill train, guidance feed members are displaced transversely of the rolling direction by piston-cylinder assemblies. Appropriate displacement of the guidance feed members depends on continuously transmitted measured actual values of the strip position within the rolling train which are compared with preset required values. If the width of the strip exceeds a nominal width then large deformation of the strip side edges occurs along with axial reaction forces in the roller supports of the first rolling stand in the finish rolling mill. To avoid damage to the first rolling stand and to the strip, a pressure regulation is superimposed on the position regulation and depending on a comparison of the actual value of the measured upsetting force acting along the strip side edges with a predetermined required value, a correction-setting signal is generated for the displacement of the guidance feed members in the opening or closing direction relative to one another.

IPC 1-7

**B21B 39/14**; B21B 37/00

IPC 8 full level

**B21B 37/00** (2006.01); **B21B 37/68** (2006.01); **B21B 39/14** (2006.01)

CPC (source: EP US)

**B21B 37/68** (2013.01 - EP US); **B21B 39/14** (2013.01 - EP US)

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