

Title (en)
GAUGE CONTROL SYSTEM OF A COLD ROLLING MILL

Publication
EP 0102937 B1 19851121 (DE)

Application
EP 83890081 A 19830511

Priority
AT 333282 A 19820907

Abstract (en)
[origin: EP0102937A1] 1. Apparatus for an automatic control of the roll adjustment in a cold-rolling stand (1), comprising a controller for controlling the roll adjusting mechanism (3) of the stand in dependence on the measured thickness of the rolled stock (8), and a computer (12), which is connected to a pickup (14) for measuring a parameter which changes with the resistance of the rolled stock (8) to deformation and for delivering to the controller (4) a correcting signal, which has been determined in dependence on said parameter in accordance with a program and is used to effect in the stand the roll adjustment required in dependence on the detected difference between the desired and actual values, characterized in that the pickup (14) for measuring the resistance of the rolled stock (8) to deformation comprises magnetizing means for magnetizing the rolled stock, including at least one exciter coil, and further comprises a sensor, which is associated with the magnetizing means and consists, e.g., of a sensor coil or a Hall generator.

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B21B 37/12

IPC 8 full level
B21B 37/16 (2006.01)

CPC (source: EP)
B21B 37/16 (2013.01); **B21B 2261/22** (2013.01)

Cited by
EP0972580A3; EP2662158A1; CN104321151A; CN117019882A; WO2013167366A1; WO2010043775A1

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