

Title (en)
METHOD FOR CONTROLLING AND/OR REGULATING A SLIPPING MOTION OF A ROLLER RELATIVE TO A STRIP, CONTROLLER AND/OR REGULATOR, MACHINE-READABLE PROGRAM CODE, STORAGE MEDIUM AND INDUSTRIAL PLANT

Title (de)
VERFAHREN ZUM AUSSTEUERN UND/ODER AUSREGELN EINER RUTSCHBEWEGUNG EINER ROLLE RELATIV ZU EINEM BAND, STEUER- UND/ODER REGELEINRICHTUNG, MASCHINENLESBARER PROGRAMMCODE, SPEICHERMEDIUM UND INDUSTRIEANLAGE

Title (fr)
PROCÉDÉ POUR COMMANDER ET/OU RÉGLER UN MOUVEMENT DE GLISSEMENT D'UN ROULEAU RELATIVEMENT À UNE BANDE, DISPOSITIF DE COMMANDE ET/OU DE RÉGLAGE, CODE DE PROGRAMME LISIBLE PAR MACHINE, SUPPORT D'ENREGISTREMENT ET INSTALLATION INDUSTRIELLE

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Application
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Abstract (en)
[origin: WO2010023030A1] The invention relates to an industrial plant (1), to a controller and/or regulator (5), to a machine-readable program code (7), to a storage medium (6), and to a method for controlling and/or regulating a slipping motion of a roller (3, 3-1, 3-2) relative to a strip (B), particularly a cold strip to be processed in a metal processing unit, said strip being guided through a roller interconnection (2) comprising the roller (3, 3-1, 3-2) and at least one further roller (3, 3-1, 3-2) at an adjustable strip speed. By monitoring (21) the occurrence of the slipping motion by means of detecting at least one technical operating variable of the roller (3, 3-1, 3-2), and due to the fact that with the occurrence of a slipping motion of the roller (3, 3-1, 3-2), a current circumferential speed of the roller (3, 3-1, 3-2) and/or of at least one of the at least one further roller (3, 3-1, 3-2) and/or of the strip speed is changed (24, 25, 26, 27, 34) such that the current circumferential speed of the slipping roller (3, 3-1, 3-2) and the strip speed approach each other, it becomes possible to detect a slipping of a strip relative to a roller in a system, and to reduce or remedy the same, particularly during the operation of the plant.

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