

Title (en)

Method and device for regulating a drive

Title (de)

Verfahren und Vorrichtung zum Regeln eines Antriebs

Title (fr)

Procédé et dispositif destinés au réglage d'un entraînement

Publication

EP 2305393 A1 20110406 (DE)

Application

EP 10177045 A 20100916

Priority

DE 102009047822 A 20090930

Abstract (en)

The method involves measuring angle-related information and distance-related information. Non-circularity of a roller, a role or a reel (10) i.e. reel strike, is compensated by the angle-related information and the distance-related information. A band (13) is wound up on the reel, and is guided by the roller or the role for a cold rolling mill. A drive is regulated using the angle-related information and the distance-related information to compensate for disturbances. An adjustable base torque (M0) is predetermined for a trouble-free operation of the reel, the roller or the role. An independent claim is also included for a device for controlling a drive in a cold rolling mill.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Regeln eines Haspelantriebs, vorzugsweise für ein Kaltwalzwerk, wobei eine winkelbezogene Information (Ö) und eine wegstreckenbezogene Information (s) gemessen werden, und ein Haspelschlag (11) mittels der winkelbezogenen Information (Ö) und der wegstreckenbezogenen Information (s) kompensiert wird.

IPC 8 full level

B21C 47/00 (2006.01); **B65H 23/195** (2006.01)

CPC (source: EP)

B21C 47/003 (2013.01); **B65H 23/198** (2013.01); **B21B 37/54** (2013.01); **B65H 2511/166** (2013.01); **B65H 2513/11** (2013.01); **B65H 2515/32** (2013.01); **B65H 2701/173** (2013.01)

Citation (applicant)

- EP 0477422 A1 19920401 - SIEMENS AG [DE]
- DE 4243045 C2 19950803 - SIEMENS AG [DE]
- DE 4010352 A1 19911002 - MANNESMANN AG [DE]

Citation (search report)

- [X] DE 19614300 A1 19961024 - ABB PATENT GMBH [DE]
- [X] EP 0582826 A1 19940216 - SIEMENS AG [DE]
- [A] DE 4425355 A1 19950126 - SIEMENS AG [DE]

Cited by

US11651908B2; US10227197B2; EP3798165A1; CN112623837A; WO2015023470A1; WO2022198838A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2305393 A1 20110406; **EP 2305393 B1 20131106**; DE 102009047822 A1 20110804

DOCDB simple family (application)

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