

Title (en)

METHOD AND APPARATUS FOR MOVING A MATERIAL WEB

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BEWEGEN EINER WARENBAHN

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE DÉPLACER UNE BANDE DE MATÉRIAU

Publication

EP 2729397 A1 20140514 (DE)

Application

EP 12769953 A 20120905

Priority

- DE 102011083574 A 20110928
- EP 2012067285 W 20120905

Abstract (en)

[origin: WO2013045239A1] The invention relates to a method for moving a material web by way of conveying means which can be driven by at least one drive unit. Furthermore, the invention relates to a controller and a machine having at least one drive unit and having conveying means which can be driven by the at least one drive unit. Furthermore, the invention relates to a computer program and a computer program product. In order to reduce times for accelerating and braking a material web by way of existing drives and/or in order for it to be possible to use drives with lower power-output and torque limits with the same time requirements, it is proposed to move a material web by way of conveying means which can be driven by at least one drive unit, with the use of the following method steps: stipulation of setpoint current values to the at least one drive unit in such a way that the conveying means are accelerated by the at least one drive unit with a predefinable torque if a power output which is required for this purpose is smaller than a predefinable power output of the at least one drive unit, and the conveying means are accelerated by the at least one drive unit with the predefinable power output if a torque which is required for this purpose is smaller in quantitative terms than the predefinable torque of the at least one drive unit, ending of the acceleration operation as soon as a desired movement of the material web has been achieved.

IPC 8 full level

B65H 23/185 (2006.01); **B65H 23/198** (2006.01)

CPC (source: EP)

B65H 23/185 (2013.01); **B65H 23/198** (2013.01); **B65H 2220/02** (2013.01); **B65H 2513/20** (2013.01); **B65H 2515/70** (2013.01)

C-Set (source: EP)

B65H 2515/70 + **B65H 2220/01**

Citation (search report)

See references of WO 2013045239A1

Citation (third parties)

Third party :

NUSS, U.: "HOCHDYNAMISCHE REGELUNG ELEKTRISCHER ANTRIEBE", 2010, VDE-VERLAG, pages: 284 - 297,393, XP003035158

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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011083574 A1 20130328; CN 103842276 A 20140604; CN 103842276 B 20160309; EP 2729397 A1 20140514; EP 2729397 B1 20190501; EP 2729397 B2 20230607; ES 2739624 T3 20200203; FI 2729397 T4 20240129; WO 2013045239 A1 20130404

DOCDB simple family (application)

DE 102011083574 A 20110928; CN 201280047420 A 20120905; EP 12769953 A 20120905; EP 2012067285 W 20120905; ES 12769953 T 20120905; FI 12769953 T 20120905