

Title (en)

METHOD AND DEVICE FOR ALIGNING A SHEET IN FRONT OF A SHEET PROCESSING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSRICHTEN EINES BOGENS VOR EINER BOGENBEARBEITUNGSMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF SERVANT À ALIGNER UNE FEUILLE DEVANT UNE MACHINE DE TRAITEMENT DE FEUILLES

Publication

EP 2649000 A1 20131016 (DE)

Application

EP 11794145 A 20111208

Priority

- DE 102010053769 A 20101208
- EP 2011072252 W 20111208

Abstract (en)

[origin: WO2012076671A1] The invention relates to a method for aligning a sheet in front of a sheet processing machine, comprising the following steps: a) a sheet (1) arriving in a conveying plane is moved with the front edge thereof against a stop (3) and slowed down to a standstill, b) then the front region of the sheet (1) is clamped on each longitudinal side by a respective clamping device (4, 5), wherein each of the two clamping devices (4, 5) can be moved independently of the other in and transversely to the transport direction, in each case by means of at least one drive, preferably by means of two drives, c) thereafter, using a camera, which is part of a camera system, an image is recorded in each case of the right and left front regions of the sheet (1) for determining the actual position, d) the image information of the camera system is then compared to the stored target values and the necessary corrective movement for achieving the target position of the sheet (1) is calculated, e) thereafter the stop (3) at the sheet front edge is moved out of the transport plane and the calculated corrective movement is carried out, wherein the two clamping devices (4, 5) are moved independently of each other in and transversely to the transport direction.

IPC 8 full level

B65H 9/10 (2006.01); **B65H 9/20** (2006.01); **B65H 11/00** (2006.01)

CPC (source: EP)

B65H 9/103 (2013.01); **B65H 9/20** (2013.01); **B65H 11/00** (2013.01); **B65H 2511/23** (2013.01); **B65H 2553/42** (2013.01)

Citation (search report)

See references of WO 2012076671A1

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)

WO 2012076671 A1 20120614; EP 2649000 A1 20131016

DOCDB simple family (application)

EP 2011072252 W 20111208; EP 11794145 A 20111208