

Title (en)

CORRECTION OF WIDTH DEPENDENT CYCLIC ERRORS IN ROLL PRINTING

Title (de)

KORREKTUR VON BREITENABHÄNGIGEN ZYKLISCHEN FEHLERN IM ROLLENDRUCK

Title (fr)

CORRECTION D'ERREURS CYCLIQUES DÉPENDANT DE LA LARGEUR DANS UNE IMPRESSION À ROULEAU

Publication

EP 3613597 A1 20200226 (EN)

Application

EP 18189807 A 20180820

Priority

EP 18189807 A 20180820

Abstract (en)

A scanning inkjet printing assembly comprises a driving roller for moving the recording medium. Irregularities in the surface of the driving roller affect the accuracy for positioning the recording medium, and thereby the image quality. Width dependent irregularities in the outer surface of the driving roller can be corrected by a sub-carriage moveably supported on a carriage which scans across the recording medium for printing consecutive swath. The sub-carriage is moveable in the transport direction of the recording medium with respect to the carriage. From stored cyclic deviation data a control unit appropriately controls the movement of the sub-carriage in the transport direction as the carriage scans over the recording medium, thereby correcting for the irregularities in the surface of the driving roller.

IPC 8 full level

B41J 25/00 (2006.01); **B41J 2/15** (2006.01); **B41J 13/076** (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP)

B41J 2/15 (2013.01); **B41J 13/076** (2013.01); **B41J 25/001** (2013.01); **B41J 25/003** (2013.01)

Citation (applicant)

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Citation (search report)

- [XY] US 7050193 B1 20060523 - DOWNING STEVEN P [US]
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3613597 A1 20200226

DOCDB simple family (application)

EP 18189807 A 20180820