

Title (en)

IMAGE FORMING APPARATUS AND METHOD TO COMPENSATE WOBBLE OF A ROLL IN AN IMAGE FORMING APPARATUS

Title (de)

BILDERZEUGUNGSVORRICHTUNG UND VERFAHREN ZUR KOMPENSIERUNG DES PENDELNS EINER ROLLE EINER
BILDERZEUGUNGSVORRICHTUNG

Title (fr)

APPAREIL ET PROCEDE DE FORMATION D'IMAGE PERMETTANT DE COMPENSER L'OSCILLATION D'UN ROULEAU DANS UN APPAREIL
DE FORMATION D'IMAGE

Publication

EP 2949476 A1 20151202 (EN)

Application

EP 15169566 A 20150528

Priority

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Abstract (en)

The invention relates to an image forming apparatus (36) to print an image on an image receiving member (2), wherein the image forming apparatus comprises: a printing assembly (3) configured to print the image on the image receiving member, when the image receiving member is arranged in a printing position, and an image receiving member transport system (41) to transport the image receiving member towards and/or away from the printing position, wherein the transport system comprises: a roll (28), rotatable about an axis of rotation (48) and comprising an outer surface (46), wherein the roll comprises a first end and a second end, and a wobble compensation system to compensate for wobble of the roll; According to the invention at least a part of the outer surface (46) of the roll is movable in a first direction substantially perpendicular to the axis of rotation, and in that wobble compensation system comprises: a sensor system (53,54) configured to determine a wobble signal representative for wobble of said roll, a controller (55) to provide an actuator signal on the basis of the wobble signal, and an actuator (52) configured to move on the basis of the actuator signal at least the movable part of the outer surface to compensate for wobble of the roll.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] JP 2012200876 A 20121022 - SEIKO EPSON CORP
- [A] JP 2003211770 A 20030729 - HITACHI PRINTING SOLUTIONS LTD
- [A] JP 2013035183 A 20130221 - TOSHIBA TEC KK
- [A] US 2014063163 A1 20140306 - KANEMOTO SHUICHI [JP]
- [A] WO 2005100218 A1 20051027 - METSO PAPER INC [FI], et al

Cited by

EP3686137A1

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