

Title (en)

PRINTING APPARATUS AND METHOD FOR MEASURING DIFFERENCE IN BELT MOVING AMOUNT

Title (de)

DRUCKVORRICHTUNG UND VERFAHREN ZUR MESSUNG DER DIFFERENZ IN DER BANDLAUFMENGE

Title (fr)

APPAREIL D'IMPRESSION ET PROCÉDÉ DE MESURE DE DIFFÉRENCE DE QUANTITÉ DE DÉPLACEMENT DE LA COURROIE

Publication

EP 3403835 A1 20181121 (EN)

Application

EP 18173315 A 20180518

Priority

JP 2017099543 A 20170519

Abstract (en)

A printing apparatus includes a transport belt (23) which transports a medium in a transport direction, a first and a second scale portions (75a, 75b) which are provided along the transport direction, a first measuring unit (85a) which measures a relative moving amount with respect to the first scale portion (75a), a second measuring unit (85b) which measures a relative moving amount with respect to the second scale portion (75b), a first holding unit (80a) which is configured integrally with the first measuring unit (85a) and holds one side of the transport belt (23) to move along with the transport belt, a second holding unit (80b) which is configured integrally with the second measuring unit (85b), and holds the other side of the transport belt (23) to move along with the transport belt (23), and a control unit which determines whether or not a difference between a first moving amount measured by the first measuring unit (85a) and a second moving amount measured by the second measuring unit (85b) is equal to or greater than a reference value.

IPC 8 full level

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CPC (source: CN EP)

B41J 2/01 (2013.01 - CN); **B41J 3/4078** (2013.01 - EP); **B41J 3/44** (2013.01 - CN); **B41J 11/42** (2013.01 - EP); **B41J 15/048** (2013.01 - EP); **B41J 29/393** (2013.01 - CN)

Citation (applicant)

JP 2013028143 A 20130207 - KONICA MINOLTA IJ TECHNOLOGIES

Citation (search report)

- [IA] US 2016152051 A1 20160602 - ITO SHIN [JP], et al
- [A] EP 2679391 A1 20140101 - KONICA MINOLTA INC [JP]

Cited by

EP3680107A1; EP4173836A1; EP4183493A1

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

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EP 3403835 A1 20181121; **EP 3403835 B1 20201223**; CN 108944040 A 20181207; CN 108944040 B 20210817; JP 2018192734 A 20181206; JP 6919327 B2 20210818

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