

Title (en)
IMAGE FORMING APPARATUS AND CONVEYANCE CONTROL METHOD

Title (de)
BILDERZEUGUNGSVORRICHTUNG UND TRANSPORTSTEUERUNGSVERFAHREN

Title (fr)
APPAREIL DE FORMATION D'IMAGES ET SON PROCÉDÉ DE COMMANDE DE TRANSFERT

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Application
EP 21173860 A 20210514

Priority
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Abstract (en)
[origin: EP3909779A1] An image forming apparatus (110) includes a conveying mechanism (230), a printing unit (210), an origin detection unit (ENC), an image capturing unit (OS), a movement-amount calculation unit (CAL), a correction unit (CAL), and a control unit (110F30). The movement-amount calculation unit calculates movement amounts of a recording medium based on correlations between captured images of the medium, and performs accumulation to calculate a cumulative movement amount. The correction unit performs correction for causing the cumulative movement amount to coincide with a reference movement amount for a predetermined cycle obtained from a mechanical configuration of the conveying mechanism, for each predetermined cycle of the conveying mechanism detected by the origin detection unit. The control unit controls the conveying mechanism, based on a corrected value of the cumulative movement amount, to perform conveyance control, and controls the printing unit to perform printing on the medium conveyed under the conveyance control.

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