

Title (en)

Device and method for precisely aligning image-receiving sheets, wherein a stepper motor is driven by pulses which have a higher time resolution than the encoder signals locating the image to be transmitted

Title (de)

Vorrichtung und Verfahren zur passgenauen Ausrichtung von bildaufnehmenden Bögen, wobei die Ansteuerungsimpulse eines Schrittmotors zeitlich höher aufgelöst sind als die Codiererimpulse, die die Bewegung des Elements mit dem zu übertragenden Bildes detektieren

Title (fr)

Dispositif et procédé permettant l'alignement précis de feuilles réceptrices d'images où la résolution temporelle des impulsions de commande d'un moteur pas à pas est plus précise que celle de signaux de détection de l'image à transmettre

Publication

EP 1211568 A3 20020626 (DE)

Application

EP 01124278 A 20011018

Priority

US 69851200 A 20001027

Abstract (en)

[origin: DE10151489A1] An electro-photographic printing machine employs a process to align and present a sheet of paper and especially to regulate the operation of a step motor as this advances the sheet towards the image transfer unit. The assembly has a motor (M1) which responds to motor control impulses (216). A drive unit (102) extends into the receiving unit, and a drive linkage (108,114) links the drive element (102) and motor (M1). A coding unit (200) generates a code impulse in response to image-carrier movement. An impulse generator (214) generates motor control impulses (216) in response to the code impulses (206), accelerating the receiver to about the same speed as the image-carrier (220). A timer mechanism (302) slows acceleration of the receiver to that of the image carrier (220).

IPC 1-7

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CPC (source: EP US)

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Citation (search report)

- [DX] US 5322273 A 19940621 - RAPKIN ALAN E [US], et al
- [DX] US 5731680 A 19980324 - WINTERBERGER JOHN ANDREW [US], et al
- [X] US 4519700 A 19850528 - BARKER ROBERT B [US], et al
- [A] US 5278624 A 19940111 - KAMPRATH DAVID R [US], et al
- [A] DE 19845353 A1 20000413 - MOTION GES FUER ANTRIEBSTECHNI [DE]

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DOCDB simple family (application)

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