

Title (en)

Apparatus for forming multiple toner images in register with each other on a substrate

Title (de)

Gerät zur passgenauen Erzeugung von mehreren Tonerbildern auf ein Substrat

Title (fr)

Appareil de formation en registre de plusieurs images de toner sur un substrate

Publication

**EP 0973072 A1 20000119 (EN)**

Application

**EP 99304270 A 19990601**

Priority

- EP 99304270 A 19990601
- EP 98305582 A 19980714

Abstract (en)

The apparatus comprises an endless belt (26), an imaging station (29), a plurality of developing stations (35, 36, 37, 38), and a plurality of transfer stations (40, 41, 42, 43). A controllable belt drive (56) drives the endless belt (26) along a belt path (58) through the imaging station (29), the developing stations (35, 36, 37, 38) and the transfer stations (40, 41, 42, 43). A controllable substrate drive (76) drives the substrate (78) in sheet form along a substrate path (17) into synchronous contact with the endless belt (26) at the transfer stations (40, 41, 42, 43). A preformed timing mark (44) is carried on the belt (26) and a sensor (49) is provided for sensing the passage of the timing mark (44) past a sensing position (48). A control device (50) is provided for controlling the belt drive (56) to run at a constant speed and to control the speed of the belt (26) in response to the sensing of the timing mark (44). The maintenance of a constant belt speed can be more reliably assured. <IMAGE>

IPC 1-7

**G03G 15/01**; **G03G 15/00**

IPC 8 full level

**G03G 15/00** (2006.01); **G03G 15/01** (2006.01)

CPC (source: EP)

**G03G 15/0147** (2013.01); **G03G 15/0194** (2013.01); **G03G 15/5008** (2013.01); **G03G 2215/017** (2013.01)

Citation (search report)

- [Y] WO 9807073 A1 19980219 - AGFA GEVAERT NV [BE], et al
- [Y] US 4251154 A 19810217 - RUSSEL MATTHEW J
- [A] EP 0079222 A2 19830518 - XEROX CORP [US]
- [A] WO 9807072 A1 19980219 - AGFA GEVAERT NV [BE], et al
- [A] US 4751549 A 19880614 - KOIZUMI YUTAKA [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 189 (P - 1521) 13 April 1993 (1993-04-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 187 (E - 615) 31 May 1988 (1988-05-31)

Cited by

US6810799B2; WO0235292A1

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