

Title (en)

Rotary-belt printing machine comprising a positioning device with linear optical sensor

Title (de)

Druckmaschine mit rotierendem Band und Positioniereinrichtung mit linearem optischen Sensor

Title (fr)

Machine à imprimer comprenant une bande rotative et un dispositif de positionnement comprenant un détecteur optique linéaire

Publication

EP 0782921 A1 19970709 (EN)

Application

EP 96203586 A 19961217

Priority

IT MI952667 A 19951219

Abstract (en)

Rotary-belt printing machine comprising a powered rotary belt (11) to bring segments thereof opposite printing stations (13). A control device (16) for accurate positioning of the belt (11) receives signals from an optical sensor (15) arranged near a lateral edge of the belt to detect the sequential passage under it of marks (14) arranged along the belt edge. The control device 16 processes the signals of the sensor (15) as feedback for correct and accurate positioning of the belt (11). The sensor is a linear sensor (15) with detection line arranged parallel to the lateral edge of the belt (11) to detect the position of marks (14) in its field of vision and permit accurate stopping of the belt in a position corresponding to a mark positioned in a particular position in said field of vision. <IMAGE>

IPC 1-7

B41F 15/08; **B41F 13/12**; **B41F 17/00**; **B41F 33/00**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [A] EP 0242846 A2 19871028 - MS MACCHINE & SISTEMI SRL [IT]
- [A] EP 0309023 A2 19890329 - SALVADE S A S OFF MEC [IT]
- [A] DE 4024357 A1 19920206 - E M MUELLER KG [DE]
- [A] EP 0522640 A1 19930113 - STORK BRABANT BV [NL]
- [A] US 5329466 A 19940712 - MONNEY PATRICK [CH]
- [A] DE 4023329 A1 19920206 - POLYGRAPH CONTACTA GMBH [DE]

Cited by

GB2385559A; US7524049B2; CN102114728A; WO2004069559A3

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