

Title (en)

Media holding assistance for a step-wise media transport system in a digital printer

Title (de)

Hilfsvorrichtung zur Halterung eines Mediums in einem schrittweisen Transportsystem eines digitalen Druckers

Title (fr)

Appareil de retenue pour un système de transport progressif d'un support d'enregistrement dans une imprimante numérique

Publication

**EP 1721750 A1 20061115 (EN)**

Application

**EP 05104413 A 20050524**

Priority

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- EP 05104413 A 20050524

Abstract (en)

A media holding assistance device is disclosed for holding the media during transport steps and printing steps in a digital printer. This ensures high accuracy during the transport steps and printing steps by providing extra holding force of the receiver on moving or static tables. The device is especially needed when printing on heavy or porous materials. The assistance can be given by rollers, clamps or styli contacting the printing medium.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XYA] US 6582072 B1 20030624 - WOTTON GEOFF [US], et al
- [XA] DE 10207198 A1 20030911 - KOENIG & BAUER AG [DE]
- [XA] EP 1223042 A1 20020717 - SEIKO EPSON CORP [JP]
- [XAY] US 2003197772 A1 20031023 - IWATSUKI KAZUAKI [JP], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09 30 July 1999 (1999-07-30)

Cited by

CN106684015A; US7837287B2; US10104784B2; US7744210B2; US10093507B2; US11511552B2; WO2017076989A1; WO2014067611A1; US9994407B2; TWI708367B; TWI609830B

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