

Publication

**EP 0534337 A3 19940105**

Application

**EP 92116083 A 19920921**

Priority

DE 4131911 A 19910925

Abstract (en)

[origin: EP0534337A2] A printing device for continuously moving objects, in particular parcels, stacks of packed magazines or the like, has a transport path (conveyor belt 5), along which the objects (stacks of magazines 6a, 6b, 6c) can be transported at a defined feed speed. By means of an adjustable matrix print head, (ink jet matrix print heads 20a, 20b, 20c), printing can take place on the surface of the objects to be printed without contact when they pass by the print head. A scanning device (IR distance sensor 15) is mounted with spacing upstream of the print head relative to the direction of transport (7) of the objects. The scanning device scans the position of the surface of the objects to be printed in each case and positions the print head in accordance with the position of the surface of the objects to be printed by appropriate actuation of an adjusting drive of the print head. <IMAGE>

IPC 1-7

**B41J 2/01**; **B41J 25/308**

IPC 8 full level

**B41J 2/01** (2006.01); **B41J 3/28** (2006.01); **B41J 25/308** (2006.01)

CPC (source: EP)

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Citation (search report)

- [Y] EP 0038630 A1 19811028 - MEAD CORP [US]
- [A] EP 0088630 A2 19830914 - KIWI CODERS CORP [US]
- [A] FR 2372032 A1 19780623 - HOESCH WERKE AG [DE]
- [A] FR 2642702 A1 19900810 - MORIVAL SERGE [FR], et al
- [A] US 4769650 A 19880906 - PENG YU-YIN [TW], et al
- [A] US 4972798 A 19901127 - ANDO TATEO [JP], et al
- [A] US 3892174 A 19750701 - MARCHER JORGEN
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 315 (M-735)(3162) 26. August 1988 & JP-A-63 087 246 ( Y. MAEDA ) 18. April 1988

Cited by

CN105269989A; US5931098A; EP1604828A1; EP0787586A4; CN111619857A; US5819663A; US6019047A; CN107498984A; EP0666180A3; US6068374A; EP0764543A1; US5746526A; NL2010748C2; CN104691865A; CN115534538A; WO9742086A1; WO2005120836A1; WO2018108391A1; US10737487B2

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