

Title (en)  
Method and apparatus for determining the position of the printing medium in a high speed printer.

Title (de)  
Verfahren und Vorrichtung zur Feststellung der Lage eines Beleges in einem Schnelldrucker.

Title (fr)  
Méthode et dispositif pour déterminer la position du support d'impression dans une imprimante rapide.

Publication  
**EP 0015553 A1 19800917 (EN)**

Application  
**EP 80101124 A 19800306**

Priority  
US 1834579 A 19790307

Abstract (en)  
A high-speed printer (10) includes a rotatable platen (11) and a movable print carriage (18). The carriage includes a light-emitting diode (24) and a photo-detector (26) which scan the platen, as the carriage moves, looking for the edge of the paper. The light is transmitted to and from the platen by a pair of optical fiber bundles (32, 33) which are randomly interspersed at their forward end to produce a third optical fiber bundle (34).

IPC 1-7  
**B41J 29/42**; **B41J 11/46**

IPC 8 full level  
**B41J 11/46** (2006.01); **B41J 29/42** (2006.01)

CPC (source: EP)  
**B41J 11/46** (2013.01); **B41J 29/42** (2013.01)

Citation (search report)

- [A] US 3779440 A 19731218 - SCHRECK G, et al
- [A] US 4034209 A 19770705 - KASHIO TOSHIO
- [P] FR 2409155 A1 19790615 - WORDPLEX LTD A E S [GB]
- [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 20, no. 10, March 1978, pages 3996/3997. W.J. WIPKE: "Right hand margin set and print inhibit".
- IBM TECHNICAL DISCLOSURE BULLETIN, vol. 20, no. 11a, April 1978, pages 4266/4269. E.T. BROWN et al.: "Side-of-forms, end-of-forms, and forms jam-detection scheme for printers".

Cited by  
EP0496300A3; EP1450210A1; EP0763784A3; CN103057261A; DE3628528A1; CN104555517A; EP0430678A3; EP0168734A3; DE3505682A1; US5076719A; US5167461A; EP1870363A1; US6079892A; EP0875392A1; US6915743B2; US7391043B2; EP2474714A1; US7126146B2; US7057196B2; WO2005075330A3; WO2005120850A3

Designated contracting state (EPC)  
AT BE CH DE FR GB LU NL

DOCDB simple family (publication)  
**EP 0015553 A1 19800917**; AU 5620080 A 19801030

DOCDB simple family (application)  
**EP 80101124 A 19800306**; AU 5620080 A 19800306