

Title (en)  
Dot matrix printer.

Title (de)  
Punktmatrixdrucker.

Title (fr)  
Imprimante à matrice de points.

Publication  
**EP 0097780 A1 19840111 (EN)**

Application  
**EP 83103802 A 19830420**

Priority  
US 39401782 A 19820630

Abstract (en)  
A dot matrix printer which makes use of multiple dot patterns distributed on the cylinder, belt, hand or drum of a line printer to provide an improved printing throughput for an all addressable line printer. In a dot helix matrix printer, different arrangements of the dots are used which can be varied in position and spacing to increase printing speed. On a belt, band or drum line printer, multiple dot patterns are given a predetermined distribution. More specifically, arrangements of dots are used which provide enhanced performance due to the fact that they are determined by an analysis of the statistical occurrence of a particular dot pattern in a character set. The higher statistical probability dot patterns are used more often on the belt, band or drum.

IPC 1-7  
**B41J 3/10**; G06K 15/10

IPC 8 full level  
**B41J 2/495** (2006.01); **B41J 2/31** (2006.01); **B41J 2/485** (2006.01); **B41J 2/50** (2006.01)

CPC (source: EP)  
**B41J 2/485** (2013.01); **B41J 2/50** (2013.01)

Citation (search report)

- US 3884148 A 19750520 - BERGERON LOUIS
- EP 0043434 A1 19820113 - IBM [US]
- GB 1493719 A 19771130 - SIEMENS AG
- US 4230039 A 19801028 - MIZUTANI NAGAO, et al
- US 4102268 A 19780725 - GUARDERAS FERNANDO V, et al

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DE FR GB IT

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**EP 0097780 A1 19840111**; **EP 0097780 B1 19860827**; CA 1200431 A 19860211; DE 3365571 D1 19861002; JP H0326656 B2 19910411; JP S599065 A 19840118

DOCDB simple family (application)  
**EP 83103802 A 19830420**; CA 425601 A 19830411; DE 3365571 T 19830420; JP 8283283 A 19830513