

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

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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