

Title (en)  
Dot matrix printing device.

Title (de)  
Punktmatrixdrucker.

Title (fr)  
Imprimante à matrice de points.

Publication  
**EP 0027734 A1 19810429 (EN)**

Application  
**EP 80303686 A 19801017**

Priority  
IT 6901579 A 19791017

Abstract (en)  
The printing device comprises a printing head having a row of printing elements, e.g. 18 wires 31 actuated by corresponding electro-magnets for printing symbols and characters in conformity with dot matrices. The inclination of the row relative to the direction of movement of the printing is variable. With the row vertically aligned, the height 1 of the 18 wires is equal to that (h + b + h) of the two lines of printing as a result of which it is possible to print two rows of characters simultaneously. By inclining the head and suitably selecting the speed of movement it is possible to print one line at a time with high definition dot matrices.

IPC 1-7  
**B41J 3/02**; **B41J 3/12**

IPC 8 full level  
**B41J 2/24** (2006.01); **B41J 2/255** (2006.01); **B41J 2/13** (2006.01); **B41J 2/345** (2006.01); **B41J 2/51** (2006.01)

CPC (source: EP)  
**B41J 2/24** (2013.01); **B41J 25/001** (2013.01)

Citation (search report)  

- US 4153950 A 19790508 - NOSOWICZ EUGENE J, et al
- US 3976180 A 19760824 - JORIGNY GERARD ANDRE, et al
- US 4059182 A 19771122 - GUSTAFSSON LARS AKE OLOF, et al
- US 3945019 A 19760316 - UENO MASAOKI, et al
- US 3931761 A 19760113 - CARRUS ANDRE, et al
- IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 21, No. 1, June 1978, Armonk (US) J.R. PIVNICHNY: "Matrix scan printing method" pages 103-104
- IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 16, No. 5, October 1973, Armonk (US) F. TSUI: "Arrangement for data merging and line splitting in printers" pages 1594-1595

Cited by  
US5320441A; FR2540043A1; EP0104628A3; EP0276026A3; EP0276027A3; EP0101814A3; EP0146492A3; EP0114989A1; US4524367A; EP0031421A3; US5310270A; GB2198992A; GB2198992B; EP0107502A3; US6264295B1; WO9954141A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0027734 A1 19810429**; **EP 0027734 B1 19840418**; DE 3067563 D1 19840524; IT 1119227 B 19860303; IT 7969015 A0 19791017; JP S5689564 A 19810720

DOCDB simple family (application)  
**EP 80303686 A 19801017**; DE 3067563 T 19801017; IT 6901579 A 19791017; JP 14554680 A 19801017