

Title (en)

Dot printer comprising a tiltable print head.

Title (de)

Punktdrucker mit einem schwenkbaren Druckkopf.

Title (fr)

Imprimante par points comportant une tête d'impression basculante.

Publication

**EP 0023268 A1 19810204 (FR)**

Application

**EP 80103542 A 19800624**

Priority

US 6225779 A 19790730

Abstract (en)

1. Printer of the type providing a wire-matrix (38) dot print head (30, 32), said print head providing several print wires actuated to print a series of first dots on a recording medium while the head moves laterally in front of said medium, said head being tilted to print a series of second dots between the first dots printed, said printer comprising : a print head (30, 32) providing several print wires (38) the center of each wire end being separated from the center of the adjacent wires by a given distance, a carrier (34) moving in front of said medium and carrying said print head (1), and rotation means for pivoting the point head with respect to the carrier around a rotation axis which is defined by two cylindrical rotation shafts (56, 58) extending from either side of the print head, said printer being characterized in that said rotation means include : two rotation shafts receiving means (118) affixed to the carrier, each receiving means having a receiving element (156) for the rotation axis one end of which has an angular recess (164) to house its associated rotation shaft (56 or 58), flexible means (172) which are respectively associated with said receiving means, whereby each flexible means maintains the respective rotation shaft in the angular recess (164), said flexible means including a case and a spring device, each case providing a first passage (168) to house its associated rotation shaft (56 or 58) and a second passage (170) which has a common space with said first passage and said rotation shaft (56 or 58), said second passage including, on either side of said shaft, said compressed spring device (172) and said receiving element for the rotation axis (156) in such a way that said spring device maintains said rotation shaft in the angular recess (164) of the receiving element for the axis (156), and means (124) for causing the print head to be pivoted around the rotation axis and means (65, 142) for limiting pivoting of the head in such a way that the print wires print the series of first dots and then the series of second dots.

Abstract (fr)

Imprimante comportant une tête d'impression (32) pouvant pivoter, autour d'un axe de rotation, dans un chariot. L'axe de rotation est défini par deux arbres (58) situés de part et d'autre de la tête, ces deux arbres pouvant pivoter dans l'évidement angulaire (164) fixé au chariot. Un ressort (172) et une rainure en forme de U (168) maintiennent l'arbre dans l'évidement. Le pivotement de la tête est limité par un système de butée. Ce dispositif peut être utilisé dans les imprimantes à tête d'impression par points à matrice de fils.

IPC 1-7

**B41J 3/02**; **B41J 3/12**

IPC 8 full level

**B41J 2/51** (2006.01); **B41J 25/304** (2006.01); **B41J 2/24** (2006.01)

CPC (source: EP)

**B41J 25/001** (2013.01); **B41J 25/304** (2013.01)

Citation (search report)

- US 4086997 A 19780502 - WU EDWARD S
- IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 20, No. 12, Mai 1978, pages 5097-5098 Armonk, U.S.A. J.E. LISINSKI et al.: "Print Head Dipper" \*  
En entier \*

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