

Title (en)

Dot matrix impact print head device.

Title (de)

Punktmatrixanschlagdruckkopf.

Title (fr)

Tête d'impression à impact de matrice à points.

Publication

EP 0502720 A2 19920909 (EN)

Application

EP 92301870 A 19920304

Priority

JP 1919691 U 19910304

Abstract (en)

A dot matrix impact print head device having a plurality of print units. In each of the print units, an end of a support leaf spring (24) supported on a print head body and an end of a drive leaf spring (25) whose another end is connected to a piezoelectric element (5) are joined parallel to each other by a rigid joint (26). The joint is fixed to a proximal end of an arm (22). When the support and drive leaf springs are resiliently deformed, the arm is angularly moved about a pivotal center axis (31) defined by these leaf springs. A line (32) interconnecting the axis (31) and the proximal end of the print wire (7a) extends substantially perpendicularly across the direction of back-and-forth movement of the print wire. When a piezo-electric element (5) is displaced in response to the application of a voltage, an arm (32) is angularly moved through the two leaf springs (25, 26) to move a print wire (7) mounted on the distal end of the arm (22) back and forth. <IMAGE>

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IPC 8 full level

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