

Title (en)

A METHOD AND AN ARRANGEMENT FOR CONTROLLING THE METHOD OF OPERATION OF A MATRIX PRINTER

Publication

EP 0318449 A3 19890726 (EN)

Application

EP 88850387 A 19881109

Priority

SE 8704631 A 19871123

Abstract (en)

[origin: EP0318449A2] A matrix printer comprises a printing head which includes a plurality of printing needles (11) each having a respective electromagnetic maneuvering device (10) by means of which the needle, carried by a spring-biased, movable armature (12), can be caused to carry out a working cycle, which includes a working stroke and a subsequent return stroke. The maneuvering device (10) is activated by temporarily lowering the magnetomotive force in the magnetic circuit (12,14) of the device from a previous, constant value. The previously attracted armature (12) will herewith commence to move in a direction away from the stationary part (14) of the magnetic circuit as a result of the spring force acting on the armature. The magnetomotive force is then caused to return to its previous value. For the purpose of reducing the noise and wear generated by the armature (12) and to reduce the tendency of the armature to rebound, the armature is slowed down during the final stage of its return stroke, by again lowering the magnetomotive force temporarily for a limited part of the time taken to effect the return stroke.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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