Title (en)

ACTUATING MECHANISM, E.G. FOR MATRIX LINE PRINTERS

Publication

EP 0144833 B1 19920506 (DE)

Application

EP 84113805 A 19841115

Priority

US 55897583 A 19831207

Abstract (en)

[origin: EP0144833A2] In order to increase the force of the print hammer in such print hammer actuating mechanisms (41 or 71) at a given current intensity without increasing the magnitude of the current across an electromagnetic coil (51 or 81), or, conversely, to reduce the magnitude of the electric current across the electromagnetic coil (51 or 81) for a given print hammer force, i.e. to avoid magnetic flux losses as well as increased heat loss in a printer due to excessive current intensity, which impairs the service life, it is proposed that the electromagnetic coil (51; 81) should be of a length reaching into the area close to the print hammer arm (53; 83) and that the field- line return plate (47 or 77), extending over the permanent magnet (43; 73), end before the periphery of the electromagnetic coil (51; 81), the print hammer arm (53; 73) forming in the prestressed position (Figure 2) a bearing surface on the field-line return plate (47; 77) which is still adequate for the field-line flow. <IMAGE>

IPC 1-7

B41J 9/36

IPC 8 full level

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CPC (source: EP)

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EP 0144833 A2 19850619; **EP 0144833 A3 19880120**; **EP 0144833 B1 19920506**; CA 1225875 A 19870825; DE 3485703 D1 19920611; JP S60143972 A 19850730

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