

Title (en)
PRINT ELEMENT ACTUATOR FOR A WIRE PRINTER

Publication
EP 0019706 B1 19830921 (FR)

Application
EP 80101919 A 19800410

Priority
US 4318379 A 19790529

Abstract (en)
[origin: EP0019706A1] 1. Print element actuator for a wire printer of the type including : an electro-magnet (58) and a permanent magnet, each of them having the form of a hollow cylinder, an armature (50) affixed to the print wire and positioned within said electro-magnet and said permanent magnet so that said armature can move a predetermined distance between a metal back stop (54) and a front stop (64), a first magnetic circuit, including the electromagnet, the armature and the front stop, and through which flux flows when the electro-magnet is energized, this flux controlling the forward movement of the print wire, a second magnetic circuit, including the permanent magnet and the armature and through which flux flows when the electro-magnet is not energized, this flux controlling the reverse movement of the print wire, this actuator being characterized in that : a cylindrically shaped hollow piece (76) is positioned between the electro-magnet and the permanent magnet to set up a magnetic circuit with the electro-magnet, the front stop and the armature and the backside stop is formed of a non-magnetic material.

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B41J 7/84; H01F 7/16

IPC 8 full level
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CPC (source: EP)
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Cited by
US5793392A; WO9700174A3

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EP 0019706 A1 19801210; **EP 0019706 B1 19830921**; AU 529042 B2 19830526; AU 5813980 A 19801204; BR 8003344 A 19801230; CA 1136198 A 19821123; DE 3064880 D1 19831027; ES 491905 A0 19810216; ES 8103411 A1 19810216; IT 1151029 B 19861217; IT 8020721 A0 19800318; IT 8020721 A1 19820618; JP S55161673 A 19801216; JP S6122638 B2 19860602

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