

Title (en)
PERMANENT MAGNET FOR BISTABLE ELEMENT AND BISTABLE ELEMENT AND DATA DISPLAY UNITS PROVIDED WITH AT LEAST ONE SUCH ELEMENT

Publication
EP 0022395 B1 19830706 (FR)

Application
EP 80400936 A 19800624

Priority
FR 7917804 A 19790705

Abstract (en)
[origin: EP0022395A1] 1. Permanent magnet (6) for a bistable element (1, 8) which may be actuated by magnetic means (10) and is a component of a data display unit (2, 30, 31), the said element comprising : - a rotor (1) formed by a body (2) on the exterior of which two opposite faces (2a , 2b) are defined and bear markings (3a , 3b) which are different from one another ; - the permanent magnet (6) made rotationally rigid with the body (2) of this rotor (1) and to which it is fixed in a position such that the line (7) passing through its NORTH and SOUTH poles is radial with respect to the rotation shaft (4) of the rotor (1), the magnet having a form such that its polar zones (23, 24) are symmetrical with respect to the said shaft (4) ; - a stator (8) comprising a support (9) ; - an electromagnet (10) fixed to this support (9) in a position such that its NORTH and SOUTH poles are substantially disposed both symmetrically with respect to the rotation shaft (4) of the rotor (1) and in the plane of rotation of the poles of the permanent magnet (6) with respect to the shaft (4) of the rotor (1) ; - a means for connecting the electromagnet (10) to a direct current source enabling a transient supply with reversible polarity, this magnet being characterized in that, in the plane of rotation of the permanent magnet (6), each of its polar zones (23, 24) has a contour (21, 22) which defines a first zone part (23a , 24a) located on one side of the line (7) passing through the poles of the magnet (6) and a second part (23b , 24b) located on the other side of this line (7), the contour of the first part (23a , 24a) being further from the shaft (4) of the rotor (1) than the contour of the second part (23b , 24b).

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G08B 5/30

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