

Title (en)  
POLARISED ELECTROMAGNET PRESENTING A SYMMETRIC DISPOSITION

Publication  
**EP 0174239 B1 19880601 (FR)**

Application  
**EP 85401598 A 19850806**

Priority  
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Abstract (en)  
[origin: US4644311A] A symmetrical monostable polarized electromagnet is provided in which a fixed permanent magnetic structure and a mobile magnetizable structure passing through the coil are dimensioned so that the starting movement from the rest position of said mobile structure for given ampere turns may be produced with certainty through adjustment of air gaps, whereas return from the working position is provided by the presence of second air gaps and/or by the action of a variable slope recall spring. The invention reduces particularly the remanent holding effects appearing in the working position as well as the power required for supplying the coil for causing a change of state thereof when the coil is at rest.

IPC 1-7  
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IPC 8 full level  
**H01F 7/13** (2006.01); **H01F 7/16** (2006.01); **H01H 51/22** (2006.01); **H01F 7/122** (2006.01)

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Cited by  
FR2642223A1; FR2796991A1; EP0867903A3; DE3823493A1; DE4128983A1; EP0887831A3; DE102010014140A1; DE102010014140B4; FR2792109A1; FR2629631A1; FR2792108A1; FR2801721A1; EP1103989A3; US6373675B1; US10320276B2; US8975992B2; US6404312B1; WO2014056487A3; WO8707758A1

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