

Title (en)
POLARISED ELECTROMAGNET PRESENTING A SYMMETRIC DISPOSITION

Publication
EP 0174239 B1 19880601 (FR)

Application
EP 85401598 A 19850806

Priority
• FR 8412975 A 19840820
• FR 8417829 A 19841119

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
H01F 7/16; **H01F 7/13**

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

CPC (source: EP US)
H01F 7/13 (2013.01 - EP US); **H01F 7/1646** (2013.01 - EP US); **H01H 51/2209** (2013.01 - EP US); **H01F 7/122** (2013.01 - EP US)

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

Designated contracting state (EPC)
AT CH DE GB IT LI SE

DOCDB simple family (publication)
EP 0174239 A1 19860312; **EP 0174239 B1 19880601**; BR 8503956 A 19860603; CA 1242240 A 19880920; DE 3563140 D1 19880707; HK 13089 A 19890217; US 4644311 A 19870217

DOCDB simple family (application)
EP 85401598 A 19850806; BR 8503956 A 19850819; CA 488821 A 19850815; DE 3563140 T 19850806; HK 13089 A 19890209; US 76738685 A 19850819