

Title (en)
Tristable relay

Title (de)
Tristabiles Relais

Title (fr)
Relais tristable

Publication
EP 1180778 A1 20020220 (EN)

Application
EP 00117309 A 20000818

Priority
EP 00117309 A 20000818

Abstract (en)
To achieve an energy effective switching between different loads at low cost there is provided a tristable relay using a core element (10) having a coil (12) for magnetisation of the core element (10). Further, a member (14) having at least one permanent magnet (16) defining a first and second magnetic pole region is arranged with respect to the core element (10) such that a relative movement between the member (14) and the core element (10) is possible. The relative movement is used to achieve switching in a tristable relay, e.g., for application within a no-frost refrigerator/freezer. <IMAGE>

IPC 1-7
H01H 51/22

IPC 8 full level
H01H 51/22 (2006.01)

CPC (source: EP)
H01H 51/22 (2013.01)

Citation (search report)

- [A] GB 2128407 A 19840426 - SDS ELEKTRO GMBH, et al
- [A] FR 1599391 A 19700715
- [A] GB 683431 A 19521126 - TELEPHONE MFG CO LTD
- [A] US 6046660 A 20000404 - GRUNER KLAUS A [US]
- [A] EP 0172080 A1 19860219 - TELEMECANIQUE ELECTRIQUE [FR]

Cited by
DE102006059822A1

Designated contracting state (EPC)
DE DK FR GB IT

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EP 1180778 A1 20020220; EP 1180778 B1 20071107; DE 60037017 D1 20071220; DE 60037017 T2 20080821; DK 1180778 T3 20080218

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