

Title (en)

Trip device for a ground fault circuit breaker and method of production

Title (de)

Auslöseeinrichtung für einen Fehlerstromschutzschalter und Verfahren zu dessen Herstellung

Title (fr)

Dispositif de déclenchement pour un disjoncteur différentiel et méthode de fabrication

Publication

**EP 1345246 A3 20031015 (DE)**

Application

**EP 03003802 A 20030220**

Priority

DE 10210826 A 20020312

Abstract (en)

[origin: EP1345246A2] An activator comprises a fixed primary element, a movable secondary element, and a permanent magnet and spool. The secondary element is pulled into a primary position against spring pressure by magnetic attraction, and is in contact with the primary element. When a fault current occurs, the spool creates an opposing magnetic flux, pushing the element into a secondary position. An activator for a fault current protection switch, comprises a fixed primary element, a movable secondary element, and a permanent magnet and spool. The secondary element is pulled into a primary position against spring pressure by magnetic attraction, and is in contact with the primary element. When a fault current occurs, the spool creates an opposing magnetic flux so the spring pressure exceeds the magnetic force, pushing the element into a secondary position. The contacts have a passivating layer which is resistant to water, oil, grease and silicone. The layer consists of PTFE.

IPC 1-7

**H01H 71/32**

IPC 8 full level

**H01H 71/32** (2006.01)

CPC (source: EP)

**H01H 71/327** (2013.01)

Citation (search report)

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- [X] EP 0293702 A1 19881207 - DUERRWAECHTER E DR DODUCO [DE], et al
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- [A] BARTHOLOTT W ET AL: "PURITY OF THE SACRED LOTUS, OR ESCAPE FROM CONTAMINATION IN CONTAMINATION IN BIOLOGICAL SURFACES", PLANTA, SPRINGER VERLAG, DE, vol. 202, 1997, pages 1 - 8, XP000925073, ISSN: 0032-0935

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