

Title (en)

Relay with improved insulating properties

Title (de)

Relais mit verbesserten Isolationseigenschaften

Title (fr)

Relais doté de propriétés d'isolation améliorées

Publication

EP 2645386 A1 20131002 (DE)

Application

EP 13161363 A 20130327

Priority

DE 102012006433 A 20120330

Abstract (en)

An OFF-load switch (20) has fixed leg (24c) that is connected to a load terminal pin (43), and a contact spring leg (24a) which is connected with a movable contact (23) which cooperates with a fixed contact (21) connected to load connection pin (44). A diagnosis switch (30) determines the setting of armature (12), and includes contact spring (34) having a movable contact (33) for electrical connection between two diagnosis connector pins (45,46). A relay housing combines together with insulating block (13) of armature to form an insulating chamber for OFF-load switch.

Abstract (de)

Elektromagnetisches Relais mit verbesserten Isolationseigenschaften. Ein Lastschalter (20) und ein Diagnoseschalter (30) sind an sich gegenüberliegenden Enden des Relais angeordnet. Der Lastschalter (20) ist in einer isolierenden Kammer, von isolierenden Wänden umgeben, angeordnet und weist eine Rückkehrstromschleife auf, um zu einer Erhöhung der Kontaktkraft im Falle eines Kurzschlussstromes zu führen.

IPC 8 full level

H01H 1/54 (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP)

H01H 1/54 (2013.01); **H01H 51/2272** (2013.01)

Citation (applicant)

- US 4703293 A 19871027 - ONO KENJI [JP], et al
- US 6107903 A 20000822 - SAKO KAZUMI [JP], et al
- DE 4216080 A1 19931118 - SIEMENS AG [DE]
- WO 9323863 A1 19931125 - SIEMENS AG [DE], et al
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Citation (search report)

- [Y] DE 10084279 T1 20020411 - TAKAMISAWA ELECTRIC CO [JP]
- [YD] WO 9323863 A1 19931125 - SIEMENS AG [DE], et al
- [YDA] DE 4216080 A1 19931118 - SIEMENS AG [DE]

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Designated contracting state (EPC)

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Designated extension state (EPC)

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