

Title (en)
Electronic overload relay

Title (de)
Elektronisches Überlastrelais

Title (fr)
Relais électronique de surcharge

Publication
EP 1089309 A3 20030528 (DE)

Application
EP 00121152 A 20000929

Priority
DE 29917174 U 19990930

Abstract (en)
[origin: EP1089309A2] The overload relay has a primary winding or conductor and a secondary winding or core and a rectangular core for each phase. One limb of the core engages a core body which carries the primary and secondary windings. A first chamber part for the secondary winding is formed on the coil body between two walls. A second area is formed between two other walls for the primary winding. The chamber parts form respective transformers such that connector tongues (87,88,89) are provided. These tongues have parallel flags extending in the same direction. One of these flags is for mechanically fixing in a recess to the coil body. The other is electrically connected in the second chamber to the primary winding.

IPC 1-7
H01H 71/12

IPC 8 full level
H01F 38/30 (2006.01); **H01H 71/08** (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP)
H01F 38/30 (2013.01); **H01H 71/08** (2013.01); **H01H 71/125** (2013.01)

Citation (search report)

- [Y] US 4884048 A 19891128 - CASTONGUAY ROGER N [US], et al
- [Y] US 4427962 A 19840124 - LIBERMAN ARNOLD J [US]
- [Y] US 5892420 A 19990406 - LARRANAGA JAVIER I [US], et al
- [A] US 5015983 A 19910514 - DEROSIER DONNA C [US], et al
- [A] US 4281359 A 19810728 - BAYER ERIC W, et al
- [A] US 5394127 A 19950228 - HENDEL HORST [DE]
- [A] WO 9847164 A1 19981022 - SIEMENS ENERGY & AUTOMAT [US]
- [A] GB 2193041 A 19880127 - BACH & CO

Cited by
CN104467615A; DE102004036117A1; DE102004036117B4; WO2014005615A1; EP2549606A1; WO2013011152A1

Designated contracting state (EPC)
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