

Title (en)
ELECTROMAGNETIC RELAY WITH TWO ARMATURES

Publication
EP 0211446 B1 19891115 (DE)

Application
EP 86111088 A 19860811

Priority
DE 3529158 A 19850814

Abstract (en)
[origin: US4682133A] A relay includes two armatures each having a contact spring and a contact piece secured thereto which interacts with the respective cooperating contact element. The two movable contact pieces are electrically connected by a stranded copper conductor so that a series connection of the two contacts is formed. The series connection can be interrupted twice by the two armatures which switch independently of one another so that a reliable opening of the circuit is assured even if one of the contacts fuses. The relay is particularly useful for safety circuits such as in motor vehicles.

IPC 1-7
H01H 51/20

IPC 8 full level
H01H 50/54 (2006.01); **H01H 51/20** (2006.01)

CPC (source: EP US)
H01H 51/20 (2013.01 - EP US); **H01H 1/5822** (2013.01 - EP US)

Cited by
DE10035173C1; FR2711839A1; EP0329138A1; CN102867689A; EP0267430A1; US4833435A; DE3545356A1; DE112009005402B4; US10460895B2; WO9512206A1; WO0038207A1

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

DOCDB simple family (publication)
EP 0211446 A1 19870225; EP 0211446 B1 19891115; AT E48049 T1 19891215; DE 3666994 D1 19891221; JP S6240122 A 19870221; US 4682133 A 19870721

DOCDB simple family (application)
EP 86111088 A 19860811; AT 86111088 T 19860811; DE 3666994 T 19860811; JP 18971086 A 19860814; US 89482786 A 19860808