

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0363976 B1 19930804 (DE)

Application
EP 89119015 A 19891012

Priority
DE 3835118 A 19881014

Abstract (en)
[origin: JPH02165535A] PURPOSE: To prevent a probable risk that worn out fine particles of an operational element drop on a contactor by arranging the contactor and the functional point of the operational element for a contact spring in mutually shifted positions. CONSTITUTION: This electromagnetic relay comprises a group contacts which are fixed in the inside of a base body 1, provided with corresponding contact elements 8, 9 and a movable contact spring 10, and comprise contact legs having contactors 8a, 8a, 17a and extended at right angles to the bottom face and the relay further comprises an operational element 7 to transmit movement of a movable piece to the contact spring 10. The contactor 17a and the functional point of the operational element 7 are arranged while being shifted from each other. Consequently, the operational element 7 affects the contactor 17a at a position transversely shifted from the contactor 17a and the functional point does not come above the contactor 17a. As a result, fine particles produced by wear of the operational element 7 drop while passing the sides of the contactor 17a and thus the contactor 17a is prevented from being directly polluted by the fine particles.

IPC 1-7
H01H 1/60; **H01H 50/54**

IPC 8 full level
H01H 50/56 (2006.01); **H01H 1/60** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP US)
H01H 1/60 (2013.01 - EP US); **H01H 50/54** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US)

Cited by
EP0669632A3; DE4115092C3; EP0487786A3

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

DOCDB simple family (publication)
EP 0363976 A1 19900418; **EP 0363976 B1 19930804**; AT E92670 T1 19930815; DE 3835118 A1 19900419; DE 58905138 D1 19930909; ES 2041935 T3 19931201; JP H02165535 A 19900626; JP H0636340 B2 19940511; PT 91962 A 19900430; PT 91962 B 19950809; US 4958137 A 19900918

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