

Title (en)
ELECTROMAGNETIC CHANGE-OVER RELAY.

Title (de)
ELEKTROMAGNETISCHES UMSCHALTRELAIS.

Title (fr)
RELAIS INVERSEUR ELECTROMAGNETIQUE.

Publication
EP 0593599 B1 19950215 (DE)

Application
EP 92914771 A 19920707

Priority
• DE 4219933 A 19920617
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• EP 9201529 W 19920707
• EP 91111423 A 19910709

Abstract (en)
[origin: WO9301609A1] A relay has two axially aligned coils arranged on a base body (1) and provided each with a winding (23, 33) and a core (14, 15) interconnected by a U-shaped yoke (12). Between the inner ends of both cores (14, 15) a single armature (13) is mounted on a middle section of the yoke (12) in a switchable manner. In addition, two contact springs (7, 8) are arranged on both sides of the yoke, parallel thereto, between both coils. The contact-making ends of both contact springs lie in the resting state on a common middle contact element (61). When one or the other winding (23 or 33) is excited, one of the contact springs (7 or 8) is lifted off the middle contact element (61) and contacts an outer contact element (51 or 52). This relay is particularly suitable as a pole reversing relay for controlling direct-current motors with variable direction of rotation and can thus be preferably used in motor vehicles.

IPC 1-7
H01H 51/12; **H01H 51/00**

IPC 8 full level
H01H 50/18 (2006.01); **H01H 51/00** (2006.01); **H01H 51/12** (2006.01); **H01H 51/20** (2006.01)

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