

Title (en)

Electromagnetic power relays with a sliding actuator.

Title (de)

Elektromagnetisches Leistungsrelais mit Betätigungsschieber.

Title (fr)

Contacteur électromagnétique avec un coulisseau de commande.

Publication

EP 0476182 B1 19940928 (DE)

Application

EP 90124826 A 19901219

Priority

DE 9013221 U 19900918

Abstract (en)

[origin: EP0476182A2] The relay has a leaf spring (10) as a moving contact element, which is actuated by the armature via a board-shaped slide (9). This slide engages on the leaf spring eccentrically in an edge region (95), as a result of which the leaf spring (10) is twisted during the switching process. In this way, the curve of the spring set can be optimally matched to the force-movement curve of the magnet system so that a smaller magnet system can be used than in the case of conventional activation for given dimensions of the spring and of the complete relay. <IMAGE>

IPC 1-7

H01H 50/64

IPC 8 full level

H01H 50/64 (2006.01)

CPC (source: EP US)

H01H 50/642 (2013.01 - EP US)

Cited by

DE4115092C3; EP3051564A4; FR3082353A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0476182 A2 19920325; EP 0476182 A3 19920902; EP 0476182 B1 19940928; EP 0476182 B2 19970416; AT E112414 T1 19941015; CA 2051478 A1 19920319; DE 59007351 D1 19941103; DE 9013221 U1 19920123; JP H04245126 A 19920901; PT 98988 A 19931029; PT 98988 B 19990129; US 5144270 A 19920901

DOCDB simple family (application)

EP 90124826 A 19901219; AT 90124826 T 19901219; CA 2051478 A 19910916; DE 59007351 T 19901219; DE 9013221 U 19900918; JP 23276191 A 19910912; PT 9898891 A 19910917; US 72564291 A 19910703