

Title (en)
SECURITY RELAY

Title (de)
SICHERHEITSRELAIS

Title (fr)
RELAIS DE SECURITE

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Application
EP 99947445 A 19991001

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• DE 19847831 A 19981016
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Abstract (en)
[origin: WO0024019A1] The invention relates to a relay having a base body (1) over which an electromagnet system (31, 35, 37) is placed, said electromagnet system actuating at least one pair of closing relay springs (23A1, 23A2, 25A1, 25A2) and at least one pair of opening relay springs (23R, 25R). Actuation is carried out by means of a slide (40) which exhibits actuating cams (51, 52) located at different heights relatively to the mounting of the active relay springs (25) and designed for actuating the active opening relay springs at a height which is different from that of the active closing relay springs. Consequently, the characteristic curve of the magnetic system can be better adjusted to the characteristic curve of the relay springs.

IPC 8 full level
H01H 50/64 (2006.01)

CPC (source: EP US)
H01H 50/642 (2013.01 - EP US)

Citation (opposition)
Opponent :
• DE 2902885 A1 19800731 - SDS ELEKTRO GMBH
• JP S5732515 Y2 19820716

Cited by
EP2704174A1; DE102012017157A1; US8810343B2

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