

Title (en)
ELECTROMAGNETIC SWITCH

Title (de)
ELEKTROMAGNETISCHES SCHALTGERÄT

Title (fr)
COMMUTATEUR ELECTROMAGNETIQUE

Publication
EP 0829092 A1 19980318 (DE)

Application
EP 96914084 A 19960515

Priority
• DE 9600864 W 19960515
• DE 19519756 A 19950530

Abstract (en)
[origin: DE19519756C1] An electromagnetic switch for switching currents in a load operation range has a high-speed circuit breaker connected in series to protect the contacts (6) from melting in the overload range. The electromagnetic switch is highly reliable and compact. The electromagnet (2) of the switch (1) is arranged at the centre of the contact bridge carrier (8) and directly coupled to its centre. The high-speed circuit breaker (3) acts upon the movable contact (6) by means of a rocker (15) and is only actuated in the presence of overload currents. One takes advantage of the fact that only the directly coupled driving system of the switch is used in the set current range.

IPC 1-7
H01H 71/24; **H01H 13/00**

IPC 8 full level
H01H 77/06 (2006.01); **H01H 89/06** (2006.01); **H01H 3/00** (2006.01); **H01H 50/54** (2006.01)

CPC (source: EP US)
H01H 77/06 (2013.01 - EP US); **H01H 89/06** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 50/546** (2013.01 - EP US)

Citation (search report)
See references of WO 9638851A1

Designated contracting state (EPC)
FR IT

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DE 19519756 A 19950530; CN 96193888 A 19960515; DE 9600864 W 19960515; EP 96914084 A 19960515; US 97329498 A 19980219