

Title (en)  
ELECTROMAGNETIC RELAY

Title (de)  
ELEKTROMAGNETISCHES RELAIS

Title (fr)  
RELAIS ELECTROMAGNETIQUE

Publication  
**EP 1105899 A1 20010613 (DE)**

Application  
**EP 99952302 A 19990804**

Priority  
• DE 9902445 W 19990804  
• DE 19837241 A 19980817

Abstract (en)  
[origin: WO0011694A1] The present invention relates to an electromagnetic relay that comprises a magnetic system formed by an excitation coil (1), a core (1a) and an armature (2). A contact system further includes fixed contacts (11, 12) as well as mobile contacts (4) provided with connection members (6, 7, 8) which are anchored in a base body (13). Connection tracks (14, 14a, 15, 16) for the fixed and mobile contacts are further imbedded in the base body (13). Electronic circuit components (17; 22) are also provided for realising means for monitoring and controlling the operation condition of the relay, wherein said components are arranged on the base body (13) and are connected to the magnetic system or to the contact system through printed circuits. The printed circuits are defined by the connection tracks (14, 14a, 15, 16) for the fixed and mobile contacts.

IPC 1-7  
**H01H 50/02**

IPC 8 full level  
**H01H 50/02** (2006.01); **H01H 50/14** (2006.01)

CPC (source: EP)  
**H01H 50/021** (2013.01); **H01H 50/14** (2013.01)

Citation (search report)  
See references of WO 0011694A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0011694 A1 20000302**; DE 19837241 C1 20000727; EP 1105899 A1 20010613

DOCDB simple family (application)  
**DE 9902445 W 19990804**; DE 19837241 A 19980817; EP 99952302 A 19990804