

Title (en)  
ELECTROMAGNETIC RELAY.

Title (de)  
ELEKTROMAGNETISCHES RELAIS.

Title (fr)  
RELAIS ELECTROMAGNETIQUE.

Publication  
**EP 0646282 A1 19950405 (DE)**

Application  
**EP 93909803 A 19930601**

Priority  
• DE 9300470 W 19930601  
• DE 4219933 A 19920617

Abstract (en)  
[origin: US5612658A] PCT No. PCT/DE93/00470 Sec. 371 Date Aug. 2, 1995 Sec. 102(e) Date Aug. 2, 1995 PCT Filed Jun. 1, 1993 PCT Pub. No. WO93/26030 PCT Pub. Date Dec. 23, 1993In the relay, a holding pin for a contact spring is arranged in each case in the region between the armature and the coil in such a way that the load current that flows via the contact spring can flow through the ferromagnetic circuit of the coil, comprising the core, the yoke (12) and the armature (13). In order to avoid negative effects of such a current loop, a connecting pin (110) is anchored in a base body outside the ferromagnetic circuit, on that side of the armature opposite to the contact spring (7), which connecting pin conducts the load current of the contact spring via a hoop portion (111) that engages over the armature. Optionally, the holding pin (9) of the contact spring may also be additionally contacted with a part of the load current, in order to make use of certain effects of the current loop.

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

IPC 8 full level  
**H01H 51/24** (2006.01); **H01H 51/00** (2006.01); **H01H 51/12** (2006.01)

CPC (source: EP US)  
**H01H 51/005** (2013.01 - EP US); **H01H 51/12** (2013.01 - EP US); **H01H 2050/049** (2013.01 - EP US)

Designated contracting state (EPC)  
AT CH DE FR GB IT LI

DOCDB simple family (publication)  
**US 5612658 A 19970318**; AT E150900 T1 19970415; CZ 283883 B6 19980617; CZ 298194 A3 19950412; DE 4219933 A1 19931223; DE 59305970 D1 19970430; EP 0646282 A1 19950405; EP 0646282 B1 19970326; JP H07507654 A 19950824; WO 9326030 A1 19931223

DOCDB simple family (application)  
**US 35629295 A 19950802**; AT 93909803 T 19930601; CZ 298194 A 19930601; DE 4219933 A 19920617; DE 59305970 T 19930601; DE 9300470 W 19930601; EP 93909803 A 19930601; JP 50101594 A 19930601