

Title (en)  
RELAY WITH A COUPLING ELEMENT

Title (de)  
RELAIS MIT KOPPELEMENT

Title (fr)  
RELAIS A ELEMENT DE COUPLAGE

Publication  
**EP 1129461 A1 20010905 (DE)**

Application  
**EP 99971962 A 19991028**

Priority  
• DE 19851507 A 19981109  
• EP 9908177 W 19991028

Abstract (en)  
[origin: US6778047B1] A relay with coupling element consists of at least one spring bracket with an active and a passive contact spring. In order mechanically to couple several such relays with one another, a coupling element is provided which is pluggably connectable with the respective spring brackets of the relays in order to create a twin relay from a single relay. If, beside the mechanical coupling, an electrical coupling also is to take place, then it is provided that at least one double contact spring is present, one part of which is allocated to the one spring bracket the other part of which is allocated to the oppositely lying spring bracket, and two contact springs are connected by the coupling element over an electrically conducting connection web.

IPC 1-7  
**H01H 50/04**

IPC 8 full level  
**H01H 45/00** (2006.01); **H01H 45/04** (2006.01); **H01H 45/14** (2006.01); **H01H 50/04** (2006.01); **H01H 50/14** (2006.01); **H01H 51/20** (2006.01)

CPC (source: EP US)  
**H01H 50/047** (2013.01 - EP US); **H01H 2050/049** (2013.01 - EP US)

Citation (search report)  
See references of WO 0028563A1

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)  
**US 6778047 B1 20040817**; AT E224096 T1 20020915; DE 19851507 A1 20000511; DE 59902687 D1 20021017; EP 1129461 A1 20010905; EP 1129461 B1 20020911; JP 2002529898 A 20020910; JP 3888605 B2 20070307; WO 0028563 A1 20000518

DOCDB simple family (application)  
**US 83122301 A 20010719**; AT 99971962 T 19991028; DE 19851507 A 19981109; DE 59902687 T 19991028; EP 9908177 W 19991028; EP 99971962 A 19991028; JP 2000581664 A 19991028