

Title (en)
Relay.

Title (de)
Relais.

Title (fr)
Relais.

Publication
EP 0082238 A1 19830629 (DE)

Application
EP 82102813 A 19820402

Priority
DE 3150125 A 19811218

Abstract (en)
1. Relay comprising a coil (6) wound on a coil former (8), with terminal components (32, 32') associated with the ends of the coil wires, each of which terminal components comprises a fixing component (34) held on the coil former (8), an intermediate piece (33), a terminal pin (38) for one coil wire end (39) and, orientated transversely thereto, a plug pin (31) which can be inserted into a printed circuit board (2), wherein intermediate piece (33), terminal pin (38) and plug pin (31) are situated outside the winding region during the winding of the coil (6) and, after the winding of the coil (6), can be bent over in such a manner that they penetrate into the coil winding region (41), characterized in that the fixing component (34) of each coil terminal component (32, 32') is secured in a recess (35) which is formed on the connecting bar (24) of a U-shaped projection (23), integrally formed on the coil former (8) and carrying fixed relay contacts (25, 27), and that, after the bending over, the intermediate piece (33) between the fixing component (34) at the one end and the terminal pin (38) with the plug pin (31) at the other end, situated in the coil winding region (41), of the coil terminal component (32, 32') is disposed, guided by the external contours of the coil former, in the form of an angle around a contact terminal component (29) of one of the fixed relay contacts (25) and at a distance therefrom.

Abstract (de)
Bei diesem Verfahren zur Herstellung eines Relais und einem danach hergestellten Relais wird ein Spulendraht auf einen Spulenkörper zu einer Spule gewickelt. An einem Spulenanschlußteil ist mindestens ein Drahtende des Spulendrahtes befestigt. Zur Erzielung einer automatengerechten Ausführung wird der Spulenanschlußteil vor dem Wickeln des Spulendrahtes am Spulenkörper derart ausgerichtet befestigt, daß er sich außerhalb des Spulenwickelbereichs befindet. Nach dem Wickeln der Spule wird der Spulenanschlußteil, an dem das Drahtende der Spule befestigt ist, in den Spulenwickelbereich in seine Endposition umgebogen.

IPC 1-7
H01H 49/00; **H01H 50/14**; **H01F 41/10**

IPC 8 full level
H01F 41/10 (2006.01); **H01H 49/00** (2006.01); **H01H 50/14** (2006.01); **H01H 50/44** (2006.01)

CPC (source: EP)
H01F 41/10 (2013.01); **H01H 49/00** (2013.01); **H01H 50/443** (2013.01); **H01F 2005/046** (2013.01); **H01H 1/5822** (2013.01); **H01H 2050/446** (2013.01)

Citation (search report)
• [X] US 2992370 A 19610711 - LAVIANA DONALD W
• [X] GB 2029107 A 19800312 - BOSCH GMBH ROBERT
• [A] FR 1236552 A 19600722 - TELEMECANIQUE ELECTRIQUE

Cited by
US5235301A; EP0142061A1; EP0374552A3; EP0333113A3; US6474783B1; WO9111818A1

Designated contracting state (EPC)
AT DE FR GB SE

DOCDB simple family (publication)
EP 0082238 A1 19830629; **EP 0082238 B1 19860827**; AT E21792 T1 19860915; BR 8203284 A 19831220; DE 3150125 A1 19830707; DE 3150125 C2 19880505; DE 3272826 D1 19861002; ES 274156 U 19840116; ES 274156 Y 19840801; ES 512795 A0 19831216; ES 8401673 A1 19831216; PT 74690 A 19820501; PT 74690 B 19831108

DOCDB simple family (application)
EP 82102813 A 19820402; AT 82102813 T 19820402; BR 8203284 A 19820603; DE 3150125 A 19811218; DE 3272826 T 19820402; ES 274156 U 19830901; ES 512795 A 19820602; PT 7469082 A 19820401