

Title (en)  
CONTACTING DEVICE, PARTICULARLY FOR LCD DISPLAYS

Publication  
**EP 0369231 A3 19910904 (DE)**

Application  
**EP 89120091 A 19891030**

Priority  
• DE 8814300 U 19881115  
• DE 8901711 U 19890214

Abstract (en)  
[origin: EP0369231A2] Contacting device, particularly for liquid crystal display elements (LCD display elements) which are arranged in a carrier plate, on which thin metal conductor tracks, which are to be contacted superficially and which are arranged next to one another at a distance, are applied, for example vapour-deposited, the contacting device having a housing made of plastic with an insertion slit for the carrier plate, a plurality of electric contact elements arranged next to one another and made of metal being mounted in the housing, the active and connecting elements of which contact elements are arranged in one plane in each case, and which project in each case with a plug pin or solder pin or similar connecting element from the housing and have in the region opposite the connecting element arm-shaped contact elements which project into the insertion slit and contact the conductor tracks of the plugged-in carrier plate, each contact element having a bow spring, the spring arm of which facing the connecting element is mounted firmly in the housing, and the other spring arm of which is integrally connected with a bow-shaped contact web which projects into the insertion slit of the housing and forms a contact point for a conductor track of the carrier plate, actuation means being mounted in or on the housing which pivot the other spring arm indirectly or directly when actuated, the contact web thereby being moved out of the region of the insertion slit or into the region of the insertion slit.

IPC 1-7  
**H01R 23/68**

IPC 8 full level  
**G02F 1/1345** (2006.01); **G09F 9/00** (2006.01); **H01R 12/16** (2006.01); **H01R 12/18** (2006.01); **H01R 12/70** (2011.01); **H01R 24/00** (2006.01); **H01R 13/24** (2006.01)

CPC (source: EP)  
**H01R 12/7076** (2013.01); **H01R 13/2428** (2013.01)

Citation (search report)  
• [Y] DE 2413989 A1 19740926 - ELECTROVAC  
• [Y] DE 2110947 A1 19711028 - BUNKER RAMO  
• [A] DE 2502521 A1 19760805 - BUNKER RAMO  
• [A] DE 2441699 A1 19760311 - DAUT & RIETZ KG  
• [A] US 4629271 A 19861216 - AWANO YOSHIYUKI [JP]

Cited by  
CN109061926A; WO2009100998A3

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DE FR GB IT NL

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**EP 0369231 A2 19900523**; **EP 0369231 A3 19910904**; DE 8901711 U1 19900315; JP H02187728 A 19900723

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