

Title (en)
ZERO INSERTION FORCE ELECTRICAL CONNECTOR

Publication
EP 0035354 A3 19811230 (EN)

Application
EP 81300751 A 19810224

Priority
US 12622180 A 19800303

Abstract (en)
[origin: EP0035354A2] The connector has an insulating housing (10) having a channel (18) for receiving a circuit board (not shown). A cam follower (14) is movable by a cam (12) between a first position in which contact springs (50) of terminals (16) in the housing (10) are in an open position in which the circuit board can be inserted into the channel (18) with substantially zero insertion force and a second position in which the contact springs (50) are in a closed position so as to engage the circuit board. To ensure that the cam follower (14) is positively returned to its second position and is not subject to unintended movement therefrom, e.g. as a result of vibration, the cam follower (14) has a hooked extension (40) which is engageable by the cam (12) to return the cam follower (14) and to secure it in its second position.

IPC 1-7
H01R 13/193; H01R 23/70

IPC 8 full level
H01R 24/00 (2006.01); **H01R 12/50** (2011.01); **H01R 12/88** (2011.01); **H01R 13/193** (2006.01)

CPC (source: EP)
H01R 12/88 (2013.01); **H01R 12/722** (2013.01)

Citation (search report)
• DE 2914167 A1 19791018 - ITT IND GMBH DEUTSCHE
• US 4179177 A 19791218 - LAPRAIK SCOTT J [US]
• [AD] US 3899234 A 19750812 - YEAGER MARVIN LEO, et al
• [AD] EP 0002114 A1 19790530 - AMP INC [US]
• [AD] US 4047782 A 19770913 - YEAGER MARVIN LEO

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DE4018947A1; US4553804A; US4553803A; EP0234780A1; AU593323B2; US6547577B2

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

DOCDB simple family (publication)
EP 0035354 A2 19810909; EP 0035354 A3 19811230; EP 0035354 B1 19840822; AR 223762 A1 19810915; AT E9122 T1 19840915; AU 532967 B2 19831020; AU 6689281 A 19810910; BR 8101143 A 19810908; CA 1136235 A 19821123; DE 3165616 D1 19840927; ES 265863 U 19830201; ES 265863 Y 19830716; HK 79487 A 19871106; JP S56136480 A 19811024; MX 149461 A 19831108; MY 8800062 A 19881231

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EP 81300751 A 19810224; AR 28435581 A 19810219; AT 81300751 T 19810224; AU 6689281 A 19810204; BR 8101143 A 19810225; CA 370750 A 19810212; DE 3165616 T 19810224; ES 265863 U 19810216; HK 79487 A 19871029; JP 2978581 A 19810302; MX 18618281 A 19810302; MY 8800062 A 19881230