

Title (en)
ELECTRICAL CONNECTOR AND METHOD OF ASSEMBLING AND CONNECTING THE SAME WITH CIRCUIT DEVICES

Title (de)
ELEKTRISCHER VERBINDER SOWIE MONTAGE- UND VERBINDUNGSVERFAHREN MIT SCHALTUNGSAORDNUNGEN

Title (fr)
CONNECTEUR ELECTRIQUE ET TECHNIQUE D'ASSEMBLAGE ET DE CONNEXION DE CE CONNECTEUR A DES DISPOSITIFS A CIRCUITS

Publication
EP 0978158 A1 20000209 (EN)

Application
EP 98914600 A 19980407

Priority

- JP 10671197 A 19970409
- US 9806972 W 19980407

Abstract (en)
[origin: WO9845909A1] The present invention provides an electrical connector which is connected to wires extending from a circuit device, and which makes it possible to realize high contact reliability with mating members, and a method of assembling and connecting the electrical connector with circuit devices of a circuit device. Electrical wires (80a-80d) are terminated at one end to male first terminals (30a-30d), the opposite ends of the wires (80a-80d) are connected to a circuit device (100), and the lead-out portions of the wires from the circuit device (100) are subjected to a potting treatment. Afterward, the first terminals (30a-30d) are accommodated inside a first housing member (20a). The first terminals (30a-30d) are placed in positions so as to be engaged with second terminals (50a-50c) that have been accommodated inside the first housing member (20a) beforehand. A second housing member (20b) is latched onto the first housing member (20a) and providing terminal support for the first terminals and strain relief for the electrical wires.

IPC 1-7
H01R 33/965; H01R 13/58

IPC 8 full level
F21V 19/00 (2006.01); **H01R 33/05** (2006.01); **H01R 33/965** (2006.01); **H01R 13/53** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP)
H01R 33/9655 (2013.01); **H01R 13/53** (2013.01); **H01R 13/58** (2013.01)

Citation (search report)
See references of WO 9845909A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9845909 A1 19981015; AU 6891898 A 19981030; EP 0978158 A1 20000209; JP 3456688 B2 20031014; JP H10284202 A 19981023

DOCDB simple family (application)
US 9806972 W 19980407; AU 6891898 A 19980407; EP 98914600 A 19980407; JP 10671197 A 19970409