

Title (en)  
Waterproof electrical connector assembly.

Title (de)  
Wasserdichte elektrische Verbindungsvorrichtung.

Title (fr)  
Assemblage de connexion électrique étanche.

Publication  
**EP 0280486 A2 19880831 (EN)**

Application  
**EP 88301468 A 19880222**

Priority  
JP 2430587 U 19870223

Abstract (en)  
A board (1) is provided with a plurality of spaced conductors (11), covered by a waterproof film (12) on one surface thereof, with a window (13) through the film (12) exposing selected portions of the conductors (11). A connector housing (2) supports a plurality of electrical contacts (21) that are brought into electrical engagement with the conductors (11) through the window (13). A compressible ring (22) surrounds the housing contacts (21) and the window (13) and is sandwiched between the board (1) and the housing (2). A spring-biased holding member (3), latched to the housing (2), urges the board (1) resiliently toward the housing (2), causing the electrical engagement between the board conductors (11) and the housing contacts (21) and also compressing the ring (22) around the window (13) to provide a waterproof seal around the electrical junctures.

IPC 1-7  
**H01R 13/52; H01R 23/70**

IPC 8 full level  
**H01R 13/52** (2006.01)

CPC (source: EP)  
**H01R 13/52** (2013.01)

Cited by  
CN113937524A; GB2261558A; US5356308A; GB2261558B; US10605936B2

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

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 88301468 A 19880222**; AU 1179088 A 19880217; CA 559586 A 19880223; JP 2430587 U 19870223