

Title (en)  
Connector

Title (de)  
Verbinder

Title (fr)  
Connecteur

Publication  
**EP 1988607 A2 20081105 (EN)**

Application  
**EP 08251586 A 20080430**

Priority  
GB 0708362 A 20070430

Abstract (en)  
A connector for use underwater or in a wet or severe environment, comprising first (1) and second connector parts adapted to be interengaged to establish an electrical connection, the first connector part (1) having at least one pin (4), and the second connector part having at least one electrical contact for engagement by the pin (4) when the connector parts are interengaged, the pin comprising an axially extending electrically conductive portion (20) and an axially extending electrically insulating sleeve (22) around said conductive portion (20), and the pin being supported by and projecting axially forwardly from a support (6) whereby its insulating sleeve (22) is exposed along a longitudinally extending portion (27) thereof to ambient conditions when the connector parts are disengaged. The insulating sleeve (22) of the pin (4) has a first portion (4i) with a first diameter in front of a second portion (4ii) with a second diameter wider than the first diameter, and the connector part having a protective rigid metal sleeve member (36) arranged to extend at least partly along the first portion (4i) of the insulating sleeve (22) and at least partly along the second portion (4ii) thereof, the rigid metal sleeve (36) providing mechanical support to the protected portion (25) of the pin (4).

IPC 8 full level  
**H01R 13/03** (2006.01); **H01R 13/523** (2006.01)

CPC (source: EP GB)  
**H01R 13/03** (2013.01 - GB); **H01R 13/035** (2013.01 - EP GB); **H01R 13/40** (2013.01 - GB); **H01R 13/521** (2013.01 - GB); **H01R 13/523** (2013.01 - EP GB); **H01R 13/648** (2013.01 - GB); **H01R 13/521** (2013.01 - EP)

Citation (applicant)  
• GB 2192316 A 19880106 - TRONIC ELECTRONIC SERVICES LIM  
• GB 2264201 A 19930818 - SWIFT 943 LTD [GB]  
• GB 2330702 A 19990428 - HYDRO BOND ENGINEERING LIMITED [GB]  
• US 2005202720 A1 20050915 - BURKE CHARLES P [US], et al  
• GB 2361365 A 20011017 - TRONIC LTD [GB]

Citation (third parties)  
Third party :  
• GB 2361365 A 20011017 - TRONIC LTD [GB]  
• GB 1537061 A 19781229 - STANDARD TELEPHONES CABLES LTD  
• WO 8400078 A1 19840105 - RAYCHEM CORP [US]  
• US 3085138 A 19630409 - BROWN ROBERT R, et al

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EP2457292A4; EP2978078A1; US11616324B2; US11374351B2; US11616320B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

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