

Title (en)
ELECTRICAL CONNECTOR

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EP 0493375 A3 19920826 (EN)

Application
EP 92105421 A 19870623

Priority
• EP 87305575 A 19870623
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• GB 8626901 A 19861111

Abstract (en)
[origin: EP0493375A2] An underwater electrical connector comprises male and female parts (1,2) which are brought together to make an electrical connection. The female part (1) includes outer, intermediate and inner closed chambers (28,29,30) containing electrically insulating fluid media, the intermediate chamber (29) being located within the outer chamber (28), and the inner chamber (30) being located within the intermediate chamber (29). An electrically insulating shuttle piston (46) extends through a contact socket (23) disposed in the inner chamber (30) and through respective aligned openings (40,41,42) of the inner chambers. The shuttle piston (46) is arranged to be urged back by a contact pin (3) of the male part of the connector during insertion thereof such that the contact pin is received and directly engaged by the contact socket (23) in the inner chamber (30) to effect the electrical connection. <IMAGE>

IPC 1-7
H01R 13/523

IPC 8 full level
H01R 13/523 (2006.01)

CPC (source: EP)
H01R 13/523 (2013.01)

Citation (search report)
• [Y] US 4192569 A 19800311 - MUCCI PETER E R [GB]
• [Y] US 4142770 A 19790306 - BUTLER JR ALFRED Y, et al
• [Y] EP 0124987 A2 19841114 - CAIRNS JAMES L

Cited by
NO337206B1; CN102906944A; CN104752890A; GB2429587A; GB2429587B; GB2330702A; EP0902505A3; GB2458035A; FR2863113A1; GB2458035B; EA016097B1; US7731515B2; US7500859B2; US6200152B1; US7566045B2; WO9622617A1; WO2006070078A1; WO2008051788A1

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