

Title (en)
WET ELECTRICAL CONNECTOR

Publication
EP 0147315 B1 19900919 (EN)

Application
EP 84402669 A 19841220

Priority
• US 56579483 A 19831227
• US 56579583 A 19831227

Abstract (en)
[origin: EP0147315A2] Connector assembly for use in a fluid medium comprising a male connector with a cylindrical pin with several axially spaced contact elements, and a female connector with a tubular housing and axially spaced annular contacts secured inside the housing. Seals with a flexible central portion are alternated with the contacts and with the latter define a bore to accommodate the pin. A chamber filled with dielectric liquid is defined within the housing as a rear extension of the bore, the entry of which is closed to external fluid by a sealing member. A free space is left around the flexible portion of each tubular seal, and each of said spaces communicates with the aforementioned chamber, means are provided by which the pressure increases in the chamber when the pin is inserted. The pressure rise in the spaces around the seals increases the pressure force of the seals against the pin.

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H01R 13/523

IPC 8 full level
E21B 17/02 (2006.01); **H01R 13/523** (2006.01)

CPC (source: EP US)
E21B 17/0285 (2020.05 - EP US); **H01R 13/523** (2013.01 - EP)

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EP 0147315 A2 19850703; EP 0147315 A3 19870401; EP 0147315 B1 19900919; DE 3483251 D1 19901025

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