

Title (en)  
DEVICE FOR REALIZING AN UNDERWATER ELECTRICAL CONNECTION

Title (de)  
VORRICHTUNG ZUR DURCHFÜHRUNG EINER ELEKTRISCHEN VERBINDUNG UNTER WASSER

Title (fr)  
DISPOSITIF POUR RÉALISER UNE CONNEXION ÉLECTRIQUE SOUS-MARINE

Publication  
**EP 3414800 B1 20210811 (EN)**

Application  
**EP 17710617 A 20170209**

Priority  
• IT UB20160712 A 20160212  
• IB 2017050707 W 20170209

Abstract (en)  
[origin: WO2017137917A1] Device (100) suitable for realizing an underwater electrical connection comprising: - at least a male connector (101) and at least a female connector (102) mounted on watertight containers; - a battery comprised in a further watertight container; and - at least a relay (102b). Further comprising electronic modules (102a, 103a) communicating each other and configured for disabling the electrical current flow between the female connector (102) and the male connector (101) in at least one of the following conditions: when the voltage across the male connector (101) has a value V greater than a predefined threshold voltage V0; when an interruption of communication between the electronic modules (102a, 103a) is detected by means of the relay (102b); when a water leakage in the watertight container (103) occurs; - When a water leakage in the further watertight case comprising the battery occurs; when an overcurrent occurs; or when an over-temperature occurs.

IPC 8 full level  
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Cited by  
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