

Title (en)
Waterproof sealing system for underwater equipment

Title (de)
Wassergeschützte Dichtungsanordnung einer Unterwasserausrüstung

Title (fr)
Système d'étanchéité d'un équipement sous-marin

Publication
EP 1459977 A1 20040922 (EN)

Application
EP 03021305 A 20030919

Priority
IT MI20030510 A 20030318

Abstract (en)
A system and the related method for the waterproof sealing of components for underwater equipment, comprising a closure tube 1 a waterproof seal element 2 a closure cylinder 3 a housing 4 of the closure cylinder 3 a sliding peg 5 characterised in that the closure cylinder 3 is fitted inside with a cavity 3a that presents an inclined surface P, the sliding peg 5 presents a surface P' complementary to the surface P of the cavity 3a in the working position the surface P' of the peg 5 engages the surface P of the cavity 3a for locking in the end position. The method includes the insertion of the waterproof seal element and of the sliding peg and finally the locking of the closure cylinder inside the housing. <IMAGE>

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IPC 8 full level
B63C 11/00 (2006.01); **B63C 11/52** (2006.01)

CPC (source: EP)
B63C 11/00 (2013.01); **B63C 11/52** (2013.01)

Citation (search report)
• [AD] US 6170477 B1 20010109 - HORLOCK NICOLAS JAMES [AU]
• [A] GB 511256 A 19390815 - HECTOR EYRAUD
• [A] US 4645373 A 19870224 - PURDY GEORGE W [US]
• [A] DE 20014909 U1 20001026 - HUMMEL ANTON VERWALTUNG [DE]
• [A] US 3118696 A 19640121 - VALTER RESARE CONNY

Cited by
CN106275330A; CN113978676A; CN105539783A; CN111994237A

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FR GR

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