

Title (en)
HOUSING ASSEMBLY FOR A WET-MATE CONNECTOR, IN PARTICULAR FOR DEEP-SEA APPLICATIONS, HAVING A LATCH MECHANISM ON THE OUTSIDE

Title (de)
GEHÄUSEANORDNUNG FÜR EINEN WET-MATE-VERBINDER, INSBESONDERE FÜR HOCHSEEEANWENDUNGEN MIT EINEM VERRIEGELUNGSMECHANISMUS AUF DER AUSSENSEITE

Title (fr)
ENSEMBLE BOÎTIER POUR UN CONNECTEUR À COUPLAGE HUMIDE, EN PARTICULIER POUR DES APPLICATIONS EN HAUTE MER, COMPORTANT UN MÉCANISME DE VERROUILLAGE SUR L'EXTÉRIEUR

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Application
EP 17168649 A 20170428

Priority
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Abstract (en)
[origin: EP3396784A1] The invention relates to a housing assembly (1) as it is used in a wet-mate connector, in particular for deep-sea applications. After being immersed in sea water or other comparably harsh conditions, there is a risk that wet-mate connectors cannot be separated from one another anymore. To avoid this, the housing assembly (1) according to the invention comprises a plug housing (2) and a latch element (12) which is mounted to an outside (14) of the plug housing (2). The latch element (12) at least partly surrounds the plug housing (2) and, at at least one location (16) along its circumference (18), partially penetrates the plug housing (2) and protrudes into a connector cavity (4), in which a mating connector (6) may be received. The latch element (12) thus may latch the mating connector (6) within the connector cavity (4). As the latch element (12) is arranged on the outside of the housing assembly (1), it can be cleaned if it is clogged or jammed after a long usage interval. Further, arranging the latch element (12) on the outside of the housing assembly (1) allows to replace the latch element (12) without disconnecting the wet-mate connector or replacing the whole housing assembly (1).

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