Title (en)

PRESSURE COMPENSATION DEVICE DESIGNED FOR UNDERWATER APPLICATIONS

Title (de)

DRUCKKOMPENSATIONSEINRICHTUNG, EINGERICHTET FÜR ANWENDUNGEN UNTER WASSER

Title (fr)

DISPOSITIF DE COMPENSATION DE PRESSION MIS AU POINT POUR DES APPLICATIONS SOUS-MARINES

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Application

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Abstract (en)

[origin: WO2020074431A1] The invention relates to a pressure compensation device (1) designed for underwater applications and by means of which an interior of a container (39), which forms a fluid region (8), can be sealed with respect to the surrounding seawater region (7), wherein a pressure level of the fluid region (8) can be raised at least to the surrounding pressure prevailing in the seawater region (7) by the pressure compensation device (1), wherein the pressure compensation device (1) is constructed in such a way that at least two accumulators (2; 2a, 2b) having a flexible wall region (4) are arranged in series, wherein the at least two accumulators (2; 2a, 2b) are arranged in an annular pressure space of a housing (27). Also proposed is the use of the pressure compensation device (1) for pressurizing at least one fluid-filled container (39) for a hydraulic actuating shaft (37).

IPC 8 full level

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CPC (source: EP)

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