

Title (en)
METHOD FOR CONTROLLING THE BUOYANCY OF A SUBMARINE VEHICLE

Title (de)
VERFAHREN ZUR STEUERUNG DES AUFTRIEBS EINES UNTERWASSERFAHRZEUGS

Title (fr)
PROCEDE DE REGLAGE DE LA FLOTTABILITE D'UN VEHICULE SOUS-MARIN

Publication
EP 3728020 C0 20230705 (FR)

Application
EP 18808366 A 20181129

Priority
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• EP 2018083006 W 20181129

Abstract (en)
[origin: CA3085422A1] A method for controlling the buoyancy of a submarine vehicle (1) such that it substantially has a predetermined target buoyancy F_c when it is submerged in a volume of liquid delimited by a first surface and a second surface along a vertical axis (z), the method comprising: - starting from an initial buoyancy of the vehicle which maintains the vehicle at the level of the first surface (S), a first step (100) of modifying the density of the vehicle (1) such that it approaches the second surface, the first step being implemented until a second step (200) of detecting the crossing, by the vehicle (1), of a predetermined non-zero distance threshold (SD) with respect to the first surface (S), along the vertical axis, then a third step of modifying the density of the vehicle (1) until the vehicle has substantially the target buoyancy.

IPC 8 full level
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