Title (en)

MARINE SURFACE DRONE AND METHOD FOR CHARACTERISING AN UNDERWATER ENVIRONMENT IMPLEMENTED BY SUCH A DRONE

Title (de)

MEERESOBERFLÄCHENDROHNE UND DURCH SOLCH EINE DROHNE IMPLEMENTIERTES VERFAHREN ZUR CHARAKTERISIERUNG EINER UNTERWASSERUMGEBUNG

Title (fr)

DRONE MARIN DE SURFACE ET PROCEDE DE CARACTERISATION D'UN MILIEU SUBAQUATIQUE MIS EN CEUVRE PAR UN TEL DRONE

Publication

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Application

EP 18842537 A 20181220

Priority

- FR 1763137 A 20171222
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Abstract (en)

[origin: WO2019122743A1] The invention relates to a marine surface drone (1) comprising: - an on-board multi-beam sonar (10); - a system (41) for controlling the sonar, configured to command, for a given position of the drone, a plurality of consecutive emissions of acoustic waves, the control system controlling the sonar emitters (12) so as to vary the characteristics of the emitted acoustic waves, from one of said emissions to the next, and - an acquisition unit (42) configured to determine, from echo signals acquired in response to said plurality of emissions, a three-dimensional image representing the content of a given observation volume. The invention also relates to a method for characterising an underwater environment, implemented by such a drone. Figure

IPC 8 full level

G01S 7/524 (2006.01); **G01S 7/527** (2006.01); **G01S 15/89** (2006.01); **G01S 15/96** (2006.01)

CPC (source: EP US)

G01S 7/524 (2013.01 - EP US); **G01S 7/5273** (2013.01 - EP); **G01S 15/89** (2013.01 - EP US); **G01S 15/96** (2013.01 - EP US); **G05D 1/0094** (2024.01 - US); **G05D 1/0206** (2024.01 - US); **G06T 7/70** (2016.12 - US); G01S 7/5273 (2013.01 - US)

Citation (search report)

See references of WO 2019122743A1

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