

Title (en)

MACHINE AND METHOD FOR UNDERWATER SOUNDINGS

Title (de)

MASCHINE UND VERFAHREN FÜR UNTERWASSERSONDIERUNGEN

Title (fr)

MACHINE ET PROCÉDÉ POUR LES SONDAGES SOUS-MARINS

Publication

EP 3940191 A1 20220119 (EN)

Application

EP 21382568 A 20210628

Priority

ES 202030648 A 20200629

Abstract (en)

The machine for underwater soundings comprises a drilling turret (1), a hose (9) for injection of water under pressure, a core barrel (11) for taking samples, and a casing pipe (10) that surrounds said core barrel. (11), and also comprises a rotating head (7) and jaws (12, 13) for joining and separating sections of the casing pipe (10). The procedure for underwater soundings comprises lowering a drilling turret (1), a first section of the casing pipe (10) and a core barrel (11); initiating a drilling operation; recovering the hose (9); lowering a second section of the casing pipe (10); screwing the second section of the casing pipe (10) to the first section of the casing pipe (10); and continuing with the drilling operation an additional length, and recovering the core barrel (11) with the sample.

IPC 8 full level

E21B 3/02 (2006.01); **E21B 7/124** (2006.01); **E21B 7/128** (2006.01); **E21B 15/02** (2006.01); **E21B 19/16** (2006.01); **E21B 25/18** (2006.01)

CPC (source: EP ES)

E21B 3/022 (2020.05 - EP); **E21B 7/124** (2013.01 - EP ES); **E21B 7/128** (2013.01 - EP); **E21B 15/02** (2013.01 - EP); **E21B 19/16** (2013.01 - EP); **E21B 19/18** (2013.01 - ES); **E21B 25/18** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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