

Title (en)

Remediation of underwater fluid storage tanks

Title (de)

Sanierung von Unterwasserflüssigkeitsspeichertanks

Title (fr)

Restauration de réservoirs de stockage sous-marin de fluides

Publication

**EP 2497578 A2 20120912 (EN)**

Application

**EP 12158317 A 20120306**

Priority

GB 201103751 A 20110307

Abstract (en)

An underwater fluid storage tank remediation assembly (20) is disclosed which comprises: a flexible pipe (28) which can be inserted into an underwater fluid storage tank (24); a fluid injection device (22) coupled to the flexible pipe and arranged so that fluid flowing down the pipe passes into the fluid injection device, the fluid injection device comprising at least one fluid outlet for directing a jet (36) of fluid into the tank to agitate contaminants (8) in the tank; a pipe gripping and rotation device (30) which can be selectively actuated to grip and rotate the flexible pipe relative to the tank, to facilitate movement of the fluid injection device coupled to the pipe within the tank; a motivating arrangement (32) for generating a motive force which can be used to steer the fluid injection device around the tank when the flexible pipe is rotated by the pipe gripping and rotation device; and a contaminant withdrawal arrangement (34) for withdrawing contaminants agitated by the fluid injection device from the tank.

IPC 8 full level

**B08B 9/093** (2006.01); **B01F 5/02** (2006.01); **B05B 3/02** (2006.01)

CPC (source: EP)

**B01F 25/21** (2022.01); **B08B 9/0933** (2013.01)

Citation (applicant)

WO 2006010906 A1 20060202 - BAMFORD ANTHONY S [GB]

Cited by

US11292036B2; WO2016030670A3; GB2552887A; GB2552887B; GB2565663A; GB2565663B; EP3708267A1; IT201900003645A1; EP3828376A1; EP4056289A1; CN117388071A

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