

Title (en)

UNDERSEA LEAK REMEDIATION DEVICE AND METHOD

Title (de)

UNTERWASSER-LECKSCHLIESSUNGSVORRICHTUNG UND -VERFAHREN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RÉHABILITATION DE FUITES SOUS-MARINES

Publication

EP 2569510 A2 20130320 (EN)

Application

EP 11781186 A 20110510

Priority

- US 34918810 P 20100527
- US 201113104940 A 20110510
- US 33322110 P 20100510
- US 35553710 P 20100616
- US 2011035998 W 20110510

Abstract (en)

[origin: US2011274496A1] The present invention pertains to a rapidly deployable, low cost, submersible leak remediation device for capturing lighter specific gravity materials leaking from a submerged leak location in a heavier specific gravity fluid. The device features: an anchor unit; a collection shroud capable of being anchored in place in proximity over the submerged leak location to permit the materials to flow upward into the collection shroud interior space, through a riser conduit and into a floating surface collection hub in fluid communication with the collection shroud. Another embodiment of the present invention utilizes a shroud system that can be employed to capture materials leaking from a side rupture of a substantially vertical pipeline and direct such materials, through a conduit, to the surface collection hub. A method of deployment and use of these embodiments to collect such leaking materials from subsea locations is also disclosed.

IPC 8 full level

E21B 43/01 (2006.01); **E21B 29/10** (2006.01)

CPC (source: EP US)

E21B 43/0122 (2013.01 - EP US)

Citation (search report)

See references of WO 2011143276A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2011274496 A1 20111110; EP 2569510 A2 20130320; MX 2012013123 A 20130320; WO 2011143276 A2 20111117;
WO 2011143276 A3 20120112

DOCDB simple family (application)

US 201113104940 A 20110510; EP 11781186 A 20110510; MX 2012013123 A 20110510; US 2011035998 W 20110510