

Title (en)

METHOD AND APPARATUS FOR DISCONNECTING AND RETRIEVING MULTIPLE RISERS ATTACHED TO A FLOATING VESSEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM LÖSEN UND WIEDERAUFNEHMEN VON EINER MEHRZAHL AN EINEM SCHWIMMENDEN SCHIFF BEFESTIGTEN RISERN

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE DESACCOUPLER ET DE RECUPERER PLUSIEURS TUBES PROLONGATEURS ATTACHES A UN NAVIRE FLOTTANT

Publication

EP 0941200 A4 19991117 (EN)

Application

EP 97948358 A 19971114

Priority

- OA 9900129 A 19990616
- US 9721061 W 19971114
- US 3366896 P 19961208

Abstract (en)

[origin: WO9824686A1] A riser buoy (36) supports a plurality of risers (19) and is releasably docked within a generally cylindrical turret (20) of a floating storage vessel (10) at a location above the sea level (12) to provide dry access to quick disconnect/connect mating couplings (32, 40) on the turret (20) and riser buoy (36). A weight (58) connected by anchor chain (44) to riser buoy (36) is connected at its upper end to a retrieval line (60) which is controlled by a winch (62). Riser buoy (36) upon disconnection from vessel (10) is positioned at a predetermined submerged water depth below tanker traffic and high wave loads. Riser buoy (36) is docked within turret (20) independently of positioning means such as anchor chains (17) between the sea bed and the turret, or a thrusting positioning system including thrusters (16) of the vessel.

IPC 1-7

B63B 22/02

IPC 8 full level

B63B 21/50 (2006.01); **B63B 22/02** (2006.01); **B63B 22/04** (2006.01); **B63B 27/34** (2006.01); **E21B 17/01** (2006.01); **E21B 19/00** (2006.01); **E21B 43/01** (2006.01)

CPC (source: EP)

B63B 21/507 (2013.01); **B63B 22/021** (2013.01); **B63B 22/023** (2013.01); **B63B 22/04** (2013.01); **E21B 17/015** (2013.01); **E21B 19/004** (2013.01); **E21B 43/0107** (2013.01)

Citation (search report)

- [A] US 4478586 A 19841023 - GENTRY LARRY L [US], et al
- [A] US 5275510 A 19940104 - DE BAAN JACOB [NL], et al
- [A] US 3950806 A 19760420 - PUCHOIS GILBERT F
- See references of WO 9824686A1

Designated contracting state (EPC)

DK GB MC NL

DOCDB simple family (publication)

WO 9824686 A1 19980611; AU 5444498 A 19980629; AU 714622 B2 20000106; BR 9713731 A 20000125; CA 2282696 A1 19980611; DK 0941200 T3 20030414; EP 0941200 A1 19990915; EP 0941200 A4 19991117; EP 0941200 B1 20020502; NO 992911 D0 19990615; NO 992911 L 19990809; OA 11127 A 20030417

DOCDB simple family (application)

US 9721061 W 19971114; AU 5444498 A 19971114; BR 9713731 A 19971114; CA 2282696 A 19971114; DK 97948358 T 19971114; EP 97948358 A 19971114; NO 992911 A 19990615; OA 9900129 A 19990616