

Title (en)  
METHOD AND APPARATUS FOR INCREASING FLOATING PLATFORM BUOYANCY

Title (de)  
VERFAHREN UND GERÄT ZUM VERGRÖßERN DES AUFTRIEBS EINER SCHWIMMENDENPLATTFORM

Title (fr)  
PROCEDE ET APPAREIL PERMETTANT D'AUGMENTER LA FLOTTABILITE D'UNE PLATEFORME FLOTTANTE

Publication  
**EP 1259421 A4 20030409 (EN)**

Application  
**EP 01914513 A 20010222**

Priority  
• US 0106160 W 20010222  
• US 18402200 P 20000222

Abstract (en)  
[origin: WO0162583A2] A floating platform for recovery of oil and gas from offshore oil and gas fields includes a hull having a portion located substantially below the water surface, and including a portion thereof which extends above the water surface. The platform is anchored to the seabed by one or more tendons secured to the base of the hull and the seabed. The payload capacity of the floating platform is increased without redesigning the structural design of the hull by attaching a column extension or mounting a detachable buoyancy module to the lower end of the hull for accomodating changing platform payload requirements.  
[origin: WO0162583A2] The hull (12) of a floating platform has at least one deck (14) for supporting drilling and/or production equipment above the surface of a body of water (16). A base node of the hull includes pontoons (18) extending radially outwardly of the hull. The platform being secured to a sea bed by anchoring tendons (20) to the pontoons (18). A column extension (22), in the form of a closed cylinder, provides a buoyancy module (32) to the lower end of the hull (12). A mounting post (24) may be pre-installed about the periphery of the hull (12) in order to attach the buoyancy module (32) to the hull (12). Riser hangers (33), for attaching at least one riser or flow line (34) to the column extension/buoyancy module (22)/(32).

IPC 1-7  
**B63B 35/44**; **B63B 9/06**

IPC 8 full level  
**B63B 21/50** (2006.01); **B63B 35/44** (2006.01)

CPC (source: EP)  
**B63B 21/502** (2013.01); **B63B 35/4413** (2013.01)

Citation (search report)  
• [XY] US 4906139 A 19900306 - CHIU HIN [US], et al  
• [X] US 5609442 A 19970311 - HORTON EDWARD E [US]  
• [Y] WO 9941142 A1 19990819 - IMODCO [US]  
• [A] WO 9821415 A1 19980522 - ZACHRY CO H B [US], et al  
• [A] US 4848968 A 19890718 - COPPENS ANTON [NL]  
• [X] US 5980159 A 19991109 - KAZIM JENAN [GB]  
• See references of WO 0162583A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0162583 A2 20010830**; **WO 0162583 A3 20020117**; AU 2001239891 B2 20060302; AU 3989101 A 20010903; BR 0108589 A 20031223; BR 0108589 B1 20101116; CA 2400903 A1 20010830; CA 2400903 C 20081230; EP 1259421 A2 20021127; EP 1259421 A4 20030409; EP 1259421 B1 20060503; ES 2264439 T3 20070101; MX PA02008141 A 20030128; NO 20023980 D0 20020821; NO 20023980 L 20021021; NO 332002 B1 20120521

DOCDB simple family (application)  
**US 0106160 W 20010222**; AU 2001239891 A 20010222; AU 3989101 A 20010222; BR 0108589 A 20010222; CA 2400903 A 20010222; EP 01914513 A 20010222; ES 01914513 T 20010222; MX PA02008141 A 20010222; NO 20023980 A 20020821