

Title (en)

SATELLITE SEPARATOR PLATFORM (SSP)

Title (de)

SEPARATOR-PLATTFORM IN SATELLITENANORDNUNG

Title (fr)

PLATE-FORME DE FORAGE AVEC SEPARATEURS SATELLITES

Publication

EP 1178922 A4 20020724 (EN)

Application

EP 00946754 A 20000420

Priority

- US 0010936 W 20000420
- US 13044399 P 19990421

Abstract (en)

[origin: WO0063519A2] A moored offshore or self-propelled floating platform is disclosed with improved motion characteristics for economic offshore deepwater developments with vertical axial symmetry and decoupling of hydrodynamic design features such as allowing the roll hydrodynamics to be determined and optimized while other features allow tuning of the frequency response of the vertical heave. A motion damping skirt is provided around the base of the hull form, which is configured to provide ease of installation for the various types of umbilicals and risers. A retractable center assembly is used in a lowered position to improve the center of gravity and metacentric height, reducing wind loads and moments on the structure, providing lateral areas for damping and volume for added mass for roll resistance. The center assembly is used to tune system response in conjunction with the hull damping skirt and fins. The retractable center section also permits increased extended-duration vertical vessels or separators below the floating platform deck which serve to add stability to the floating structure by shifting the center of gravity downward. Raising and lowering vertical separators alone or as a unit within a center assembly is also disclosed.

[origin: WO0063519A2] A floating platform with motion characteristics for offshore deepwater developments with vertical axial symmetry and decoupling of hydrodynamic design features. A motion-damping skirt (120) is provided around the base of the hull (1), which is configured to provide ease of installation for various umbilicals and risers. A retractable center assembly (300) is used in a lowered position to adjust the center of gravity and metacentric height, reducing wind loads and moments on the structure, providing lateral areas for damping and volume for added mass for roll resistance. The center assembly (300) is used to tune system response in conjunction with the hull damping skirt (120) and fins (121). The center assembly (300) also includes separators (350) below the floating platform deck which serve to add stability to the floating structure by shifting the center of gravity downward, the separators (350) capable of being raised and lowered vertical separators alone or as a unit.

IPC 1-7

B63B 35/44; **E02B 17/08**

IPC 8 full level

B63B 35/44 (2006.01); **B63B 39/00** (2006.01); **B63B 39/06** (2006.01); **B63B 43/06** (2006.01); **E21B 43/017** (2006.01)

CPC (source: EP US)

B63B 35/4413 (2013.01 - EP US); **B63B 39/00** (2013.01 - EP); **B63B 43/06** (2013.01 - EP)

Citation (search report)

- [XY] US 5609442 A 19970311 - HORTON EDWARD E [US]
- [X] GB 2150516 A 19850703 - UNIV STRATHCLYDE
- [Y] US 4653960 A 19870331 - CHUN JOONG H [US]
- [A] US 3986471 A 19761019 - HASELTON FREDERICK R
- [Y] US 4117691 A 19781003 - SPRAY CLAUDE

Cited by

US10899602B1; US11459067B2; US8763549B2; US9573659B2; US10794539B1; US8251003B2; US8544402B2; US8733265B2

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