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[Continued on next page]

(54) Title: MONO COLUMN OFFSHORE PLATFORM, SYSTEM AND METHOD OF DEPLOYING THE SAME

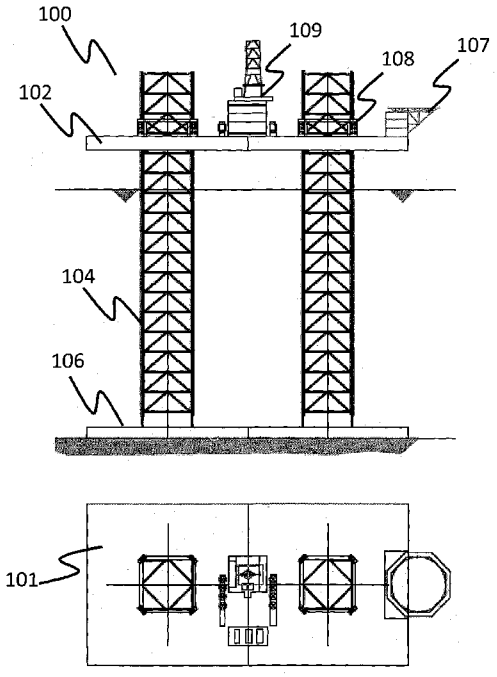


FIG. 10

(57) Abstract: An offshore platform having a transit state and a deployed state, said offshore platform including at least one substantially horizontally planar deckbox having a top side and a bottom side. The deckbox includes a modular interface on the top side of its planar surface adapted to enable the installation and removal of equipment for offshore activities. The deckbox also includes and at least one substantially vertical through-hole extending from the top side to the bottom side of the deckbox. The offshore platform also includes at least one substantially horizontally planar mat having a top side and a bottom side, wherein said substantially planar mat comprises at least one substantially vertical through-hole extending from the top side to the bottom side of the mat; and at least one ballast tank. The top side of the mat faces and is at least substantially parallel to the bottom side of the deck-box. The offshore platform also includes at least one elongate truss column having a first end and a second end, wherein the elongate truss column is moveably engaged with the deckbox through the at least one through-hole of the deckbox, and the second end of the truss column is rigidly fixed to the mat at the at least one through-hole of the mat, such that the elongate truss column is at least substantially perpendicular to the planar deckbox and mat, and the deckbox is moveable along the truss column into a position adjacent to the mat and the second end of the truss column during the transit state. The elongate truss column moves via the through-hole of the deckbox thereby also displacing the planar mat vertically when the at least one ballast tank of the mat is filled.

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