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[Continued on next page]

(54) Title: ARCTIC TELESCOPING MOBILE OFFSHORE DRILLING UNIT

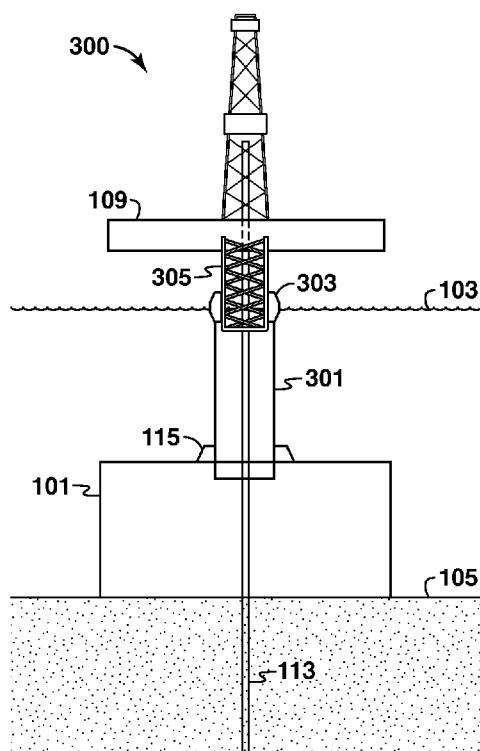


FIG. 4

(57) Abstract: A system and method of drilling oil and gas wells in arctic or other environments having adverse conditions. A marine hydrocarbon operations structure may comprise a caisson body (101) having a top surface which defines an opening and a shaft (301) positioned within the opening. The shaft has an engagement member positioned on the external surface of the shaft. A lower jack house system (115) is constructed and arranged to change the vertical position of the shaft through interaction with the engagement member. An operations platform (109) supported by the shaft. The shaft supports a jack-up leg (305) movable within the shaft.



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