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(54) Title: ICE WORTHY JACK-UP DRILLING UNIT WITH CONICAL PILED MONOPOD AND SOCKETS

(57) Abstract: The invention relates to an ice worthy jack up rig with a conical piled monopod working together to drill wells and produce hydrocarbons in ice prone locations. The inventive rig would work like a conventional jack up rig while in open water with the hull jacked up out of the water. However, in the event of ice conditions, the legs are held in place by cans embedded in the sea floor to resist lateral movement of the rig and in sockets attached to the conical piled monopod. Both the hull and conical piled monopod are shaped with ice bending surfaces to bend and break up ice that comes into contact.



WO 2012/054891 A1