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(54) Title: MOORING SYSTEMS AND PROCESSES FOR USING SAME

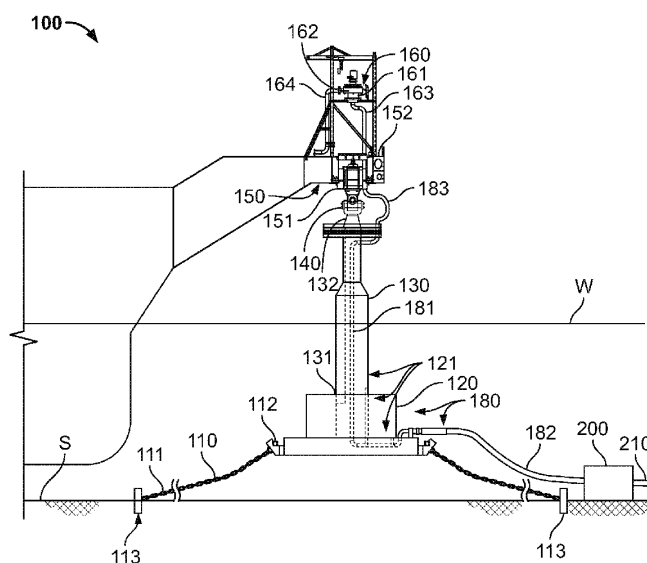


FIG. 2

(57) **Abstract:** A mooring system for mooring a vessel floating on a surface of a body of water. The system can include a base structure, a mooring leg, a column, and a turntable. The mooring leg can include a first end configured to be attached to a seabed and a second end configured to be attached to the base structure. The column can include a first end attached to the base structure. The turntable can include a rotating part and a fixed part. A second end of the column can be configured to be connected to the fixed part of the turntable via a dual axis joint. The rotating part of the turntable can be configured to be connected to the vessel. The base structure can be configured to be elevated above of the seabed when the second end of the column is connected to the fixed part of the turntable.

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