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(54) **Title:** MOORING SYSTEM AND PROCESSES FOR USING SAME

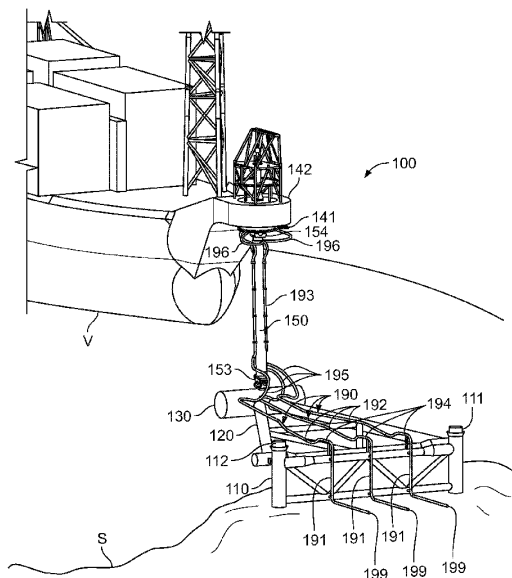


FIG. 1

(57) **Abstract:** A mooring system for mooring a vessel floating on a surface of a body of water. In some embodiments, the system can include a base structure configured to be secured to a seabed, a yoke configured to be pivotably connected at a first end to the base structure about an axis of the base structure, a weight connected to the yoke, a turntable that can include a rotating part configured to be disposed on the vessel and a fixed part, a link arm that can include a first end configured to be connected to a second end of the yoke and/or the weight and a second end configured to be connected to the fixed part of the turntable such that the vessel is rotatable with respect to the link arm about a central axis of the turntable.

[Continued on next page]

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