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(71) Applicant (for all designated States except US): **DRIL-QUIP, INC.** [US/US]; 13550 Hempstead Road, Houston, TX 77040 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAFERNIK, Steven** [US/US]; 2500 Old Farm Road, Apt. 1034, Houston, TX 77063 (US). **ELLIS, Fife** [US/US]; 12407 Dakar Drive, Houston, TX 77065 (US).

(74) Agent: **HELMREICH, Loren, G.**; 5851 San Felipe, Suite 975, Houston, TX 77057 (US).

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(54) Title: RISER TENSIONING SYSTEM

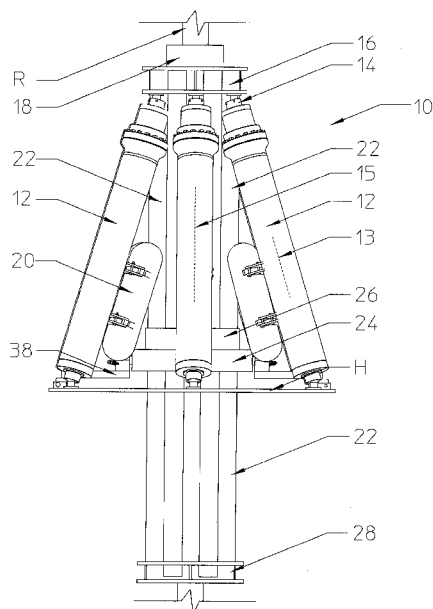


FIGURE 1

(57) Abstract: The riser tensioning system (10) includes a tensioning ring (18) for secured engagement with the riser and plurality of hydraulic cylinders (12) extending between the tensioning ring and a floating platform. A gimbal mechanism (42) acts between the platform and the riser to allow the riser axis to tilt relative to the floating platform. One or more elongate torque transfer members (38) extend between the tensioning ring and the gimbal mechanism and allow axial movement of the tensioning ring and the riser with respect to the floating platform.