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(54) Title: DOWNHOLE MONITORING OF HYDRAULIC EQUIPMENT

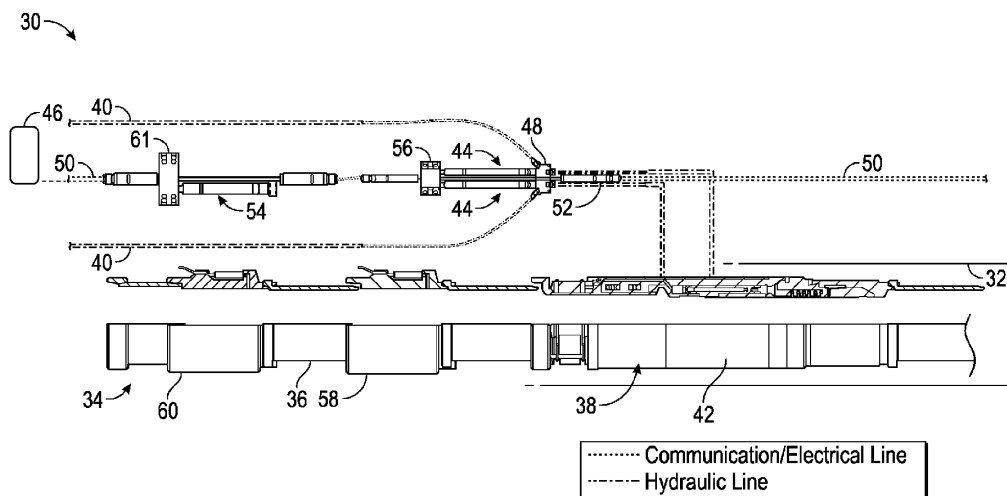


FIG. 1

(57) Abstract: A technique facilitates use of sensor data, e.g. pressure data, associated with hydraulic control lines. According to an embodiment, a well string is deployed in a borehole and comprises a tool coupled with a hydraulic control line and operated via hydraulic inputs delivered through the hydraulic control line. Additionally, a sensor is coupled to the hydraulic control line to monitor pressure in the hydraulic control line. The sensor may be located permanently downhole proximate the tool. A control module is configured to collect data from the sensor and to compare the data to a baseline pressure profile associated with the tool. The sensor data may be used to determine characteristics related to operation of the tool.

[Continued on next page]

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