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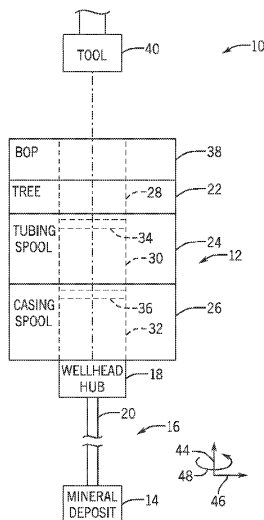


FIG. 1

(57) Abstract: A system includes a hanger with a radially-outer surface with a hanger surface texture. The system also includes a sensor configured to detect vibrations induced by the hanger surface texture as the hanger moves through a housing of a wellhead. The system further includes a controller configured to receive signals indicative of the vibrations from the sensor and to process the signals to determine a position of the hanger within the housing of the wellhead.

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