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(54) Title: TUBING HANGER ASSEMBLY WITH SINGLE TRIP INTERNAL LOCK DOWN MECHANISM

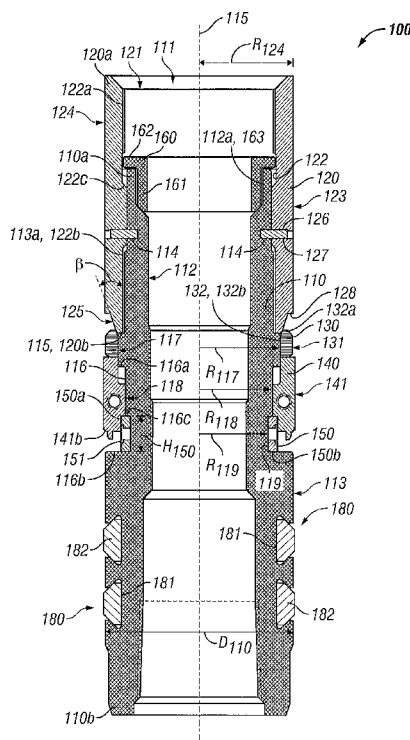


FIG. 4

(57) Abstract: A tubing hanger assembly for suspending a tubing string into a well-bore comprises a hanger body having a radially outer surface including external threads having a first thread handedness. In addition, the assembly comprises a load ring coaxially disposed about the hanger body. The load ring has a radially inner surface including a first set of internal threads that matingly engage with the external threads of the hanger body and a second set of internal threads having a second thread handedness that is opposite the first thread handedness. The load ring also has a radially outer surface including a frustoconical cam surface. Further, the assembly comprises an expandable ring disposed about the hanger body adjacent the lower end of the load ring. The expandable ring has a radially inner surface including a frustoconical surface that slidingly engages the cam surface. Still further, the assembly comprises a load sleeve coaxially disposed about the hanger body and having an upper end that engages the expandable ring.



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