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(54) Title: LOAD CROSS-OVER SLIP-JOINT MECHANISM AND METHOD OF USE

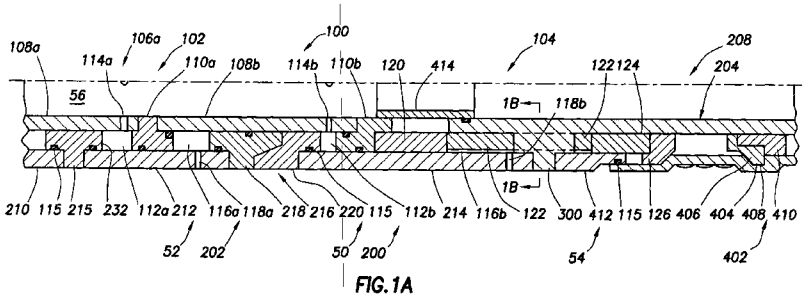


FIG. 1A

(57) Abstract: A downhole tool assembly is presented for use in a wellbore, the tool having a mandrel assembly for substantially bearing the tensile and rotational loads placed on the tool assembly during run-in to the wellbore, a displacement assembly for substantially bearing displacement loads and for providing relative movement to the mandrel assembly, the displacement assembly for actuating a actuable tool attached to the mandrel assembly. The mandrel assembly has an upper mandrel positioned radially outward of the displacement assembly and a lower mandrel positioned radially inward of the displacement assembly. A load cross-over mandrel transfers the tensile and rotational loads between the upper and lower mandrels. The load cross-over mandrel has a plurality of passages which allow corresponding rods of the displacement assembly to slide therethrough. The rods transfer the displacement loads from actuators above the rods to an actuable tool below the rods.

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