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(54) Title: PRESSURE ISOLATION RING TO ISOLATE THE SETTING CHAMBER ONCE HYDRAULIC PACKER IS SET

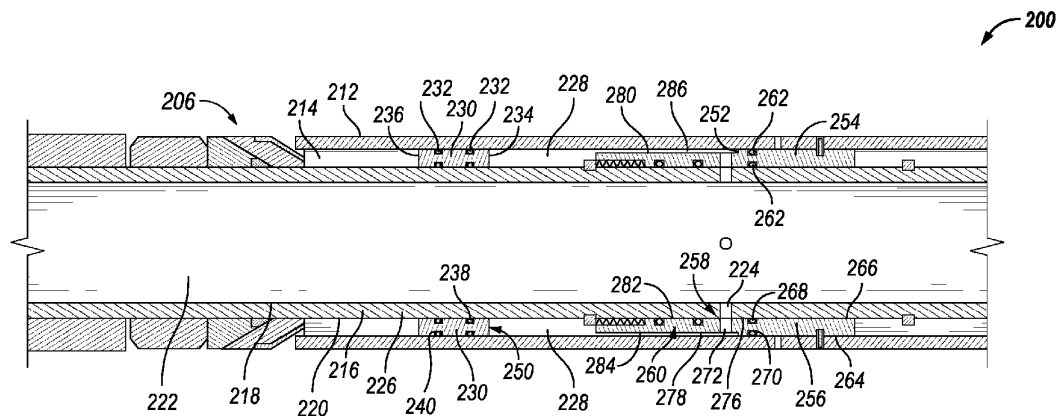


FIG. 2A

(57) Abstract: A hydraulic set packer system includes an outer sleeve and a mandrel extending through the outer sleeve. The mandrel has a setting port extending through a radial wall of the mandrel, and the setting port is configured to provide fluid communication from a central bore of the mandrel to a setting chamber formed between the outer sleeve and the mandrel. The system also includes a piston configured to move axially along the mandrel in response to a setting pressure in the setting chamber. The piston is configured to drive at least one radially actuatable component to actuate in a radial direction to engage a wellbore wall. Further, the system includes a pressure isolation assembly disposed in the setting chamber. The pressure isolation assembly is configured to move axially with respect to the mandrel from a first position to a second position to seal the setting port.

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