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(54) Title: DOWNHOLE ZONAL ISOLATION ASSEMBLY

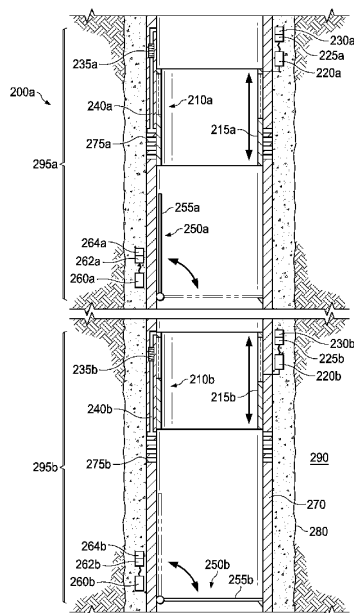


FIG. 2A

(57) Abstract: Provided is a downhole zonal isolation assembly. The downhole zonal isolation assembly, in accordance with one aspect, includes a rotating fracturing valve positionable within wellbore casing proximate a fracturing zone of interest. The downhole zonal isolation assembly, according to this aspect, further includes a rotating fracturing valve actuator coupled to the rotating fracturing valve, and rotating fracturing valve electronics coupled to the rotating fracturing valve actuator, the rotating fracturing valve electronics operable to activate the rotating fracturing valve actuator to move the rotating fracturing valve from a first wellbore casing open position to a second wellbore casing closed position.

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