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(71) Applicant: **HALLIBURTON ENERGY SERVICES, INC.** [US/US]; 3000 N. Sam Houston Pkwy E., Houston, Texas 77032-3219 (US).

(72) Inventors: **STAUTZENBERGER, Arthur, Terry**; 2104 CR 140, Georgetown, Texas 78626 (US). **MIKKELSEN, Klaus**; Tusenfrydveien 22, 4316 Sandness (NO).

(74) Agent: **HILTON, Robert** et al.; 1750 Tysons Blvd #1800, Tysons, Virginia 22102 (US).

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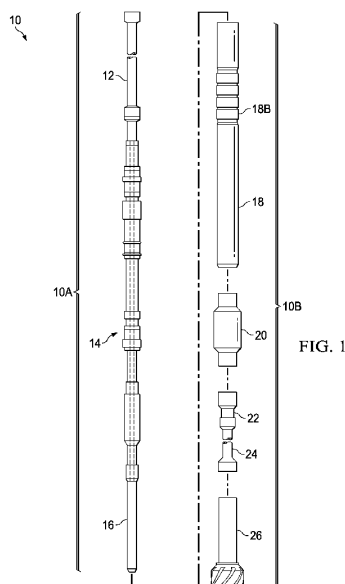
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(54) Title: A WELL BARRIER AND RELEASE DEVICE FOR USE IN DRILLING OPERATIONS



(57) Abstract: A well barrier plug and disconnect system for use during drilling operations in wellbore environments. The system comprises of a liner hanger, valve, and a drilling assembly coupled to a liner hanger running tool. The system is used to performing drilling operations in downhole wellbore environments with high risk of uncontrollable losses, cavernous zones, karst formations, or well control issues. In the event the well is on uncontrollable losses or a well control issue occurs, the liner hanger can be set into the downhole wellbore casing and a valve connected below the liner hanger can be closed creating a barrier plug in the well. Further disconnecting the liner hanger running tool from the liner hanger, valve, and drilling assembly allows retrieval of the upper drilling assembly section from the well.

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