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

(72) Inventors: **LEE, Shao Hwa**; Blk 162 Yung Ping Road, #09-15, Singapore 610162 (SG). **SCOTT, Bruce, Edward**; 2550 Country Club Drive, Carrollton, Texas 75006-5401 (US).

(74) Agent: **HILTON, Robert C.** et al.; Barnes & Thornburg, LLP, One N. Wacker Drive, Suite 4400, Attn: Docketing Department, Chicago, IL 60606-2833 (US).

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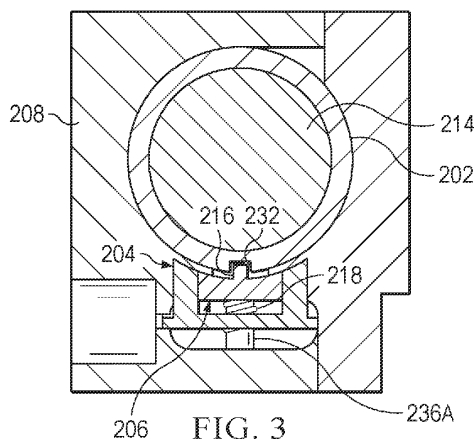
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(54) Title: LINEAR ACTUATORS, MOTOR ASSEMBLIES, AND METHODS TO ACTUATE A DEVICE OR LOAD



(57) Abstract: Linear actuators, motor assemblies, and methods to actuate a device or load are presented. A linear actuator includes a piston having a piston slot and configured to linearly shift from a first position to a second position, and rotate as the piston shifts towards the first position. The linear actuator also includes an activating lever having a shoulder that the piston engages as the piston shifts to the second position, where the activating lever is configured to shift after piston engages the shoulder. The linear actuator also includes a retractable rail configured to shift from a first position downwards to a second position, and having a tab positioned in a groove of the piston slot as the piston shifts from the first position to the second position.

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