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(54) **BOTTOM-HOLE FEEDING MECHANISM**

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See application file for complete search history.

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(57) **ABSTRACT**

A bottom-hole feeding mechanism comprising: a cylinder (1), a screw spindle (2) engaging with the cylinder (1) by means of a non-stopping splined screw pair (3), a first piston (6) received within the cylinder (1) and coupled with the screw spindle (2) and a hollow rod (8), an axial spindle (4) arranged along the cylinder (1) axis and engaging the cylinder (1) by means of an axial splined pair (5), a second piston (7) rigidly coupled with the axial spindle (4) and engaging the inner surface of the cylinder (1) and the outer surface of the hollow rod (8), wherein the hollow rod (8), the first piston (6), the second piston (7) and the cylinder (1) form a closed chamber (9) comprising a throttle (10), hydraulic channels (11) on the body of a valve (21), and a float (12).

7 Claims, 1 Drawing Sheet

