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(54) **Title**: ANCHOR/SHIFTING TOOL WITH SEQUENTIAL SHIFT THEN RELEASE FUNCTIONALITY

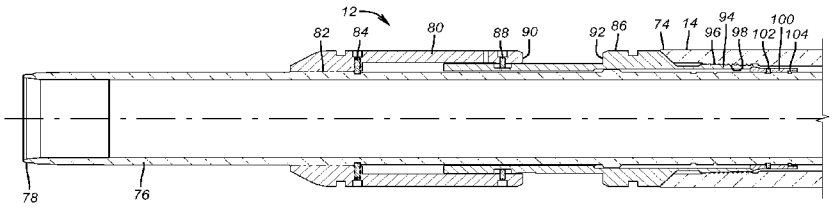


FIG. 1a

(57) **Abstract**: The tool can run in and latch another tool such as a ball valve into a packer, for example. It has the capability of operating the valve while still engaged to the valve housing. Once the valve is operated and released a pressure test can be conducted while the tool is still engaged to the valve housing. After that a predetermined applied force allows release from the valve housing without the valve shifting mechanism still engaged. In a different configuration the tool can be a simple pulling tool to remove the valve housing without shifting it. The tool has a rotational lock to allow release from a packer by turning to the right. In another configuration it can be a latch tool for a production string that shifts the valve as it releases when the production string is pulled.

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