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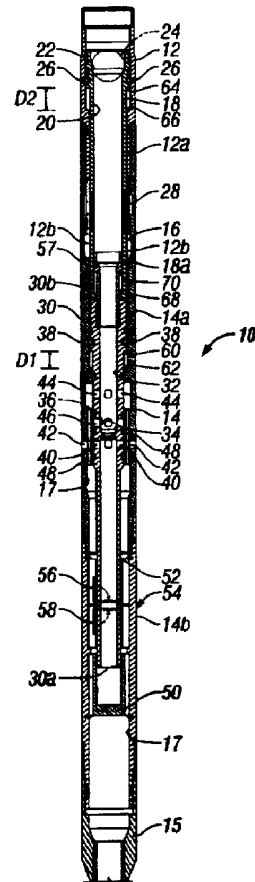
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(continued on next page)

(54) Abstract Title: **Hydraulically releaseable inflation tool for permanent bridge plug**

(57) Various embodiments of an improved downhole disconnect tool are provided, some of which may include a first housing releasably connected to a second housing, a first piston releasably connected to the first housing, and a second piston releasably connected to the second housing. Various fluid communication ports and ball seats may be provided in various combinations in the first and second pistons and in the second housing to enable remote control of the tool by circulating one or more balls into engagement with one or more of the ball seats to disconnect the first housing from the second housing, and thereby disconnect any structures connected to the first and second housings, respectively. Other features and aspects of the invention are also provided.



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