Greene's Energy Group, LLC, Petitioner v.

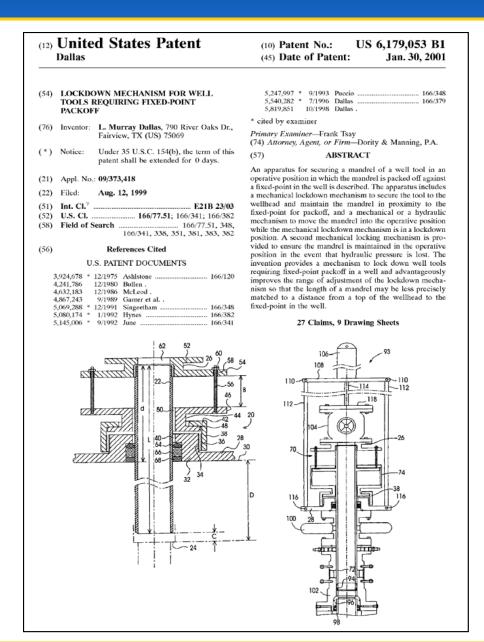
Oil States Energy Services, LLC, Patent Owner

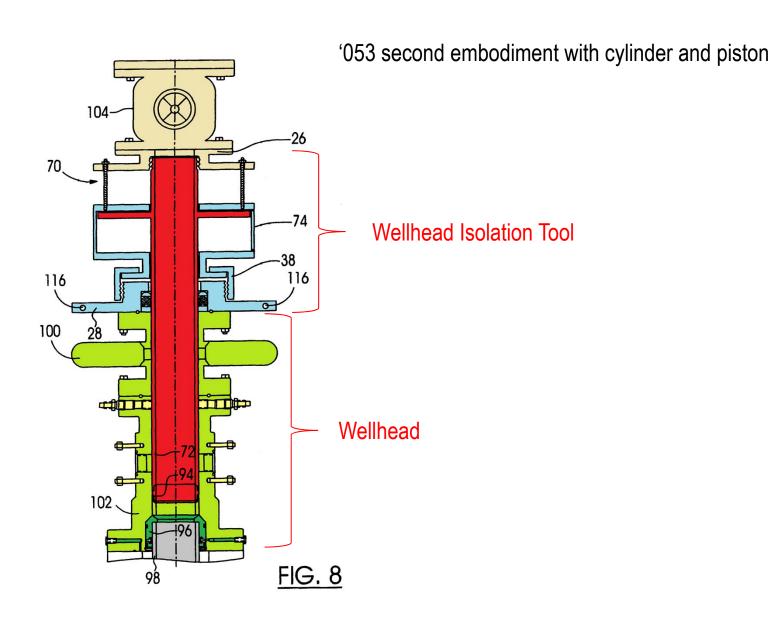
Case IPR 2014-00216 U.S. Patent 6,179,053

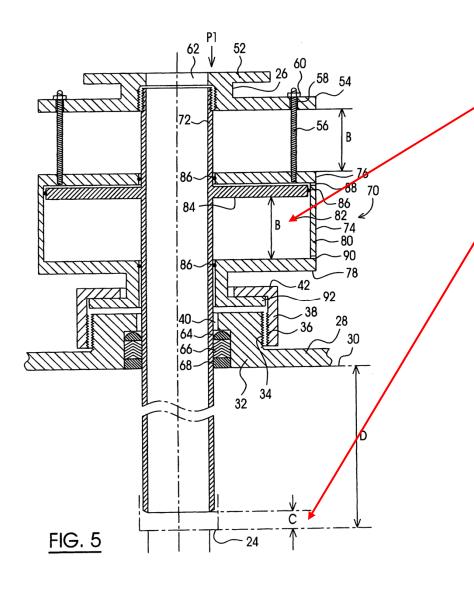
Greene's Oral Argument Presentation February 11, 2015

"LOCKDOWN MECHANISM FOR WELL TOOLS REQUIRING FIXED POINT PACKOFF"

Challenged claims: 1 and 22

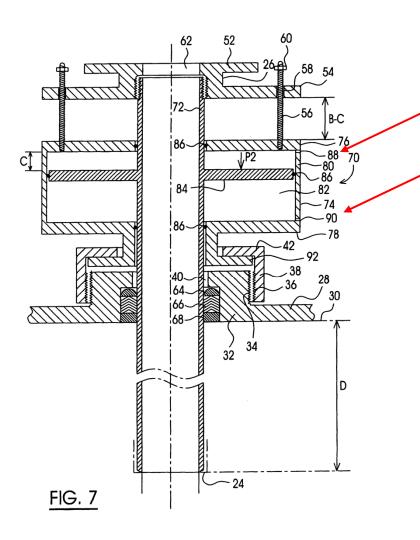






is provided by a second locking member such that 'B' is greater than a distance 'C' between a bottom end of the mandrel 22 and the fixed packoff point 24 when the mandrel is locked down to the baseplate 28 . . ."

Col. 5, II. 61 – 65.



"Pressurized hydraulic fluid is injected into the upper port 88 of the cylinder 74 while the hydraulic fluid below the piston 84 us drained from the lower port 90 so the mandrel 72 is forced downwardly to pack off against the fixed point 24 under a force P2 exerted on the piston by the pressurized hydraulic fluid, as shown in Fig. 7. The mandrel head 26 is thus forced downwardly over a distance 'C' so that the space between the mandrel head 26 and the upper wall 76 of the cylinder is reduced to B-C. The mandrel is locked down in its operative position by the hydraulic force P2."

Col. 8, II. 21 – 31.

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