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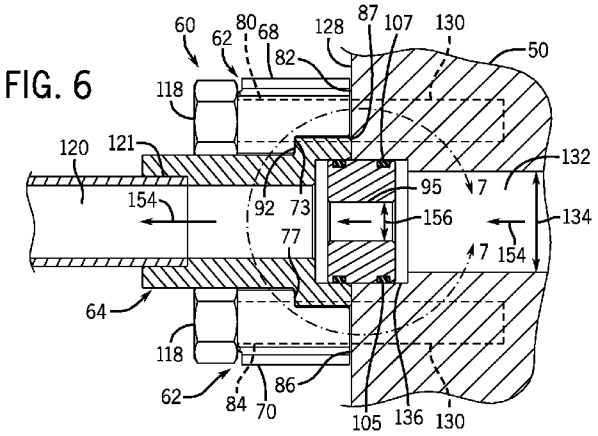
(54) **Title**: TUNABLE FLOATING SEAL INSERT

FIG. 6



(57) **Abstract**: A system comprising, a mineral extraction component (10), a conduit fitting (64) coupled to the mineral extraction component, a floating seal insert (66) disposed in the conduit fitting. The floating seal insert comprises a feature configured to tune a fluid dynamic characteristic along a liquid flow path through the conduit fitting and the floating seal insert. Furthermore, the fluid dynamic characteristic can be Shockwaves, flow rate, turbulence, etc.

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