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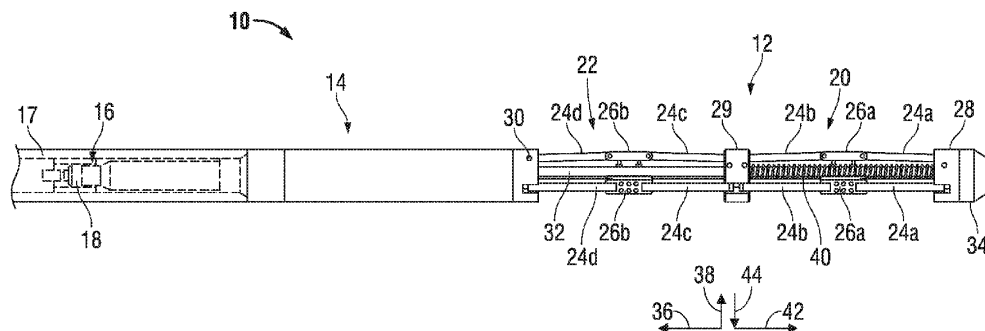


FIG. 1

(57) Abstract: Systems and methods include an extreme range anchor, having extending assemblies configured to engage a wellbore, for providing a self-centering, reusable anchor location within a wellbore. The extending assemblies include a first set of arms connected to a first brace, a second set of arms connected to a second brace, and a set of footplates. Each footplate in the set of footplates is connected to the first set of arms and the second set of arms. Each footplate includes a fixator coupled to a radially external face and configured to securely engage the wellbore. The system also includes a pull rod rigidly coupled to the first brace and slidably connected to the second brace. Forcing the pull rod in an axial direction shortens a distance between the first brace and the second brace and forces the set of footplates to move in a radial direction toward the wellbore.

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