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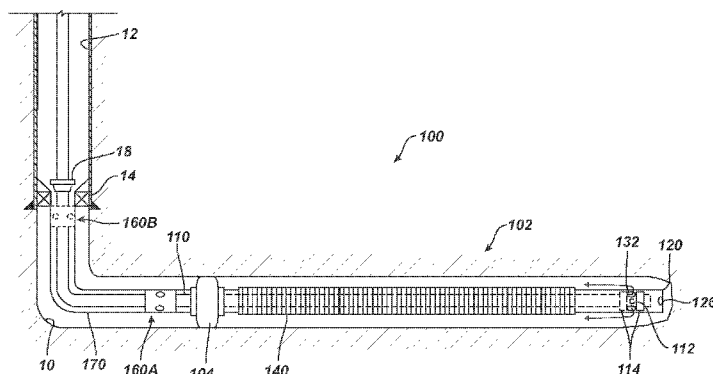
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(54) Title: ONE TRIP TOE-TO-HEEL GRAVEL PACK AND LINER CEMENTING ASSEMBLY

**FIG. 2**

(57) **Abstract:** A gravel packing assembly gravel packs a horizontal borehole. Operators wash down the borehole using an inner string in a first position by flowing fluid from the inner string through the apparatus' toe. Operators then gravel pack by moving the inner string to one or more flow ports between a screen and the toe. Slurry flows into the borehole from the flow ports, and returns from the borehole flow through the screen. The gravel in the slurry can pack the borehole in an alpha-beta wave from toe to heel. In another condition, operators can move the inner string to a second flow port so slurry can flow into the borehole through a shunt extending from the second flow port. When gravel packing is done, operators move the inner string to a port collar in a liner of the assembly to cement the liner in the borehole.

