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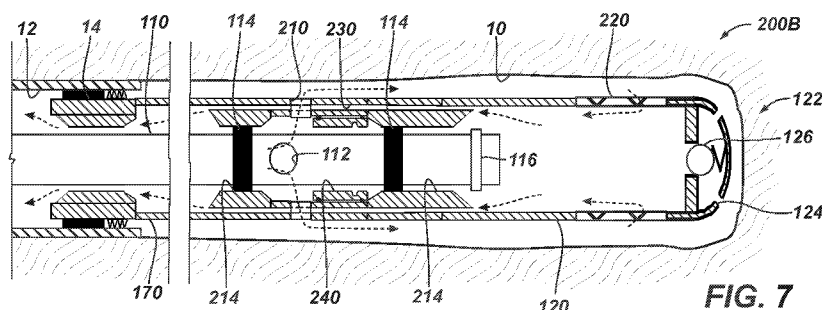
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(57) Abstract: A gravel pack operation disposes slurry from an inner string into the annulus around a shoe track. A valve on the shoe track can open and close flow through a port, and seats around the port allow an outlet of the tool to seal with the port. When the valve is open and the outlet sealed with the port, the slurry in the string is pumped into the borehole around the shoe track by flowing the slurry from the outlet into the borehole through the flow port. As this occurs, gravel collects around the shoe track, and fluid returns in the borehole flow back into the shoe track through a screen disposed toward the track's toe. Once inside the shoe track, the fluid returns communicate through a bypass on the shoe track around the sealed outlet and port. At this point, the fluid returns can pass uphole in the gravel pack assembly.

