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(54) **Title:** MATERIAL TEST SUB INCLUDING ONE OR MORE GROOVES OR POCKETS FOR DOWNHOLE ENVIRONMENTAL EXPOSURE

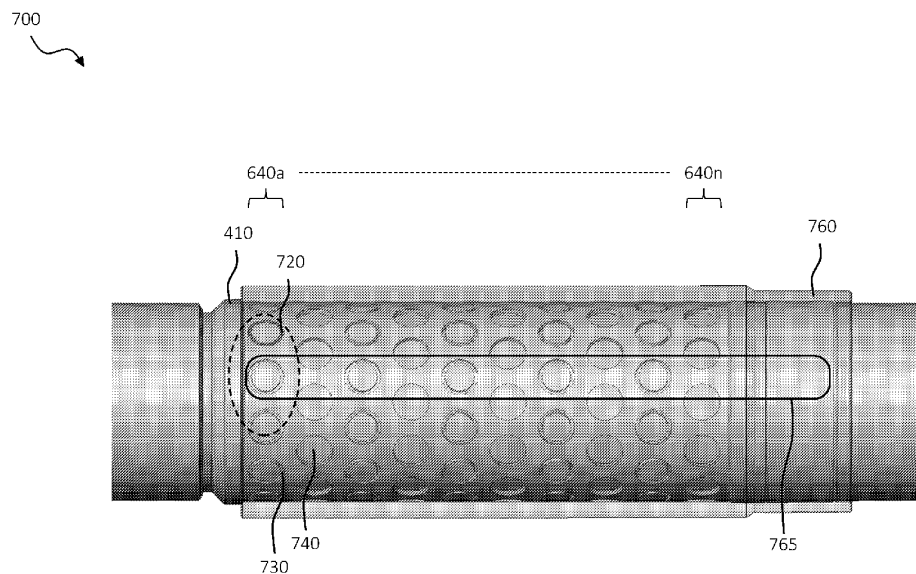


FIG. 7A

(57) **Abstract:** Provided is a downhole material test sub assembly, a well system including the same, and a method for using the same. The downhole material test sub assembly, in one aspect, includes a flange for coupling to a mandrel, and one or more retainer assemblies coupled to the flange, the one or more retainer assemblies configured to accept a test specimen for running within a wellbore on the mandrel. The downhole material test sub assembly, according to another aspect, includes a mandrel and one or more grooves or pockets located in an outer surface of the mandrel, the one or more grooves or pockets configured to accept a test specimen for running within a wellbore on the mandrel.

[Continued on next page]

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