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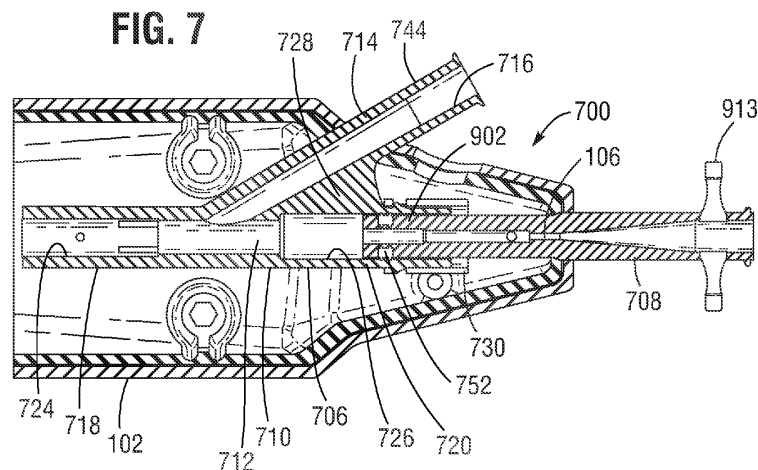
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(54) **Title:** ENDOVASCULAR DELIVERY APPARATUS HAVING VARIABLE LENGTH BALLOON



(57) **Abstract:** A delivery apparatus comprises a handle, a first shaft, and a second shaft. The first shaft extends through and is movable axially relative to the second shaft. The delivery apparatus comprises an inflatable balloon having a proximal end portion coupled to the second shaft and a distal end portion of the balloon coupled to the first shaft. An inflation hub assembly comprises an inflation manifold and a piston, wherein the inflation manifold comprises a main body defining a main lumen and an inflation port defining an inflation port lumen. The piston extends into the main lumen. A proximal end portion of the first shaft is coupled to the piston. The piston is moveable relative to the inflation manifold in proximal and distal directions to produce movement of the first shaft and adjust the length of the balloon.

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