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(54) Title: **THREADED JOINT FOR COUPLING TWO CONCENTRIC TUBES TO ONE TUBE**

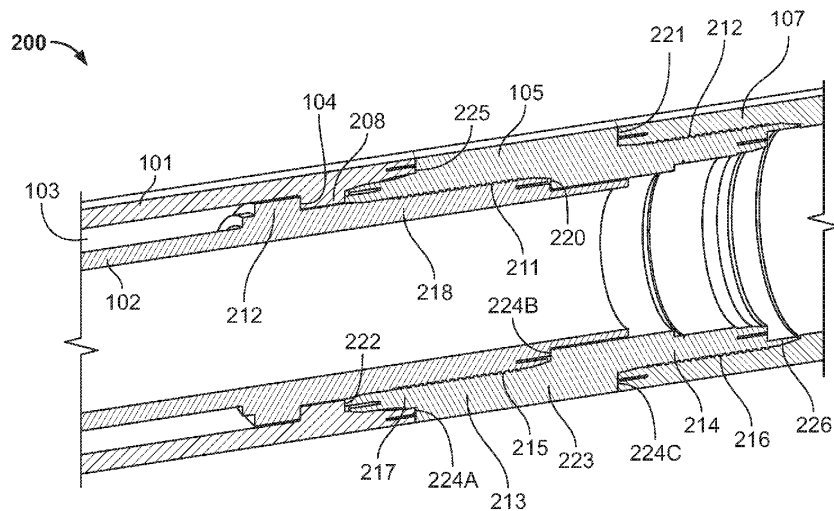


FIG. 2

(57) Abstract: A threaded joint (200) provides for metal -to-metal sealing on the ends of concentrically positioned inner and outer tubes when joining the concentric tubes to a single tube (107). A threaded coupling (105) secures the inner and outer tubes and joins both tubes to a single tube. The threaded connection leverages metal-to-metal sealing on the ends of each tube. The inner tube (102) may differ in length from the outer tube (101) and contains a single thread (211) at its for receiving the threaded coupling. Threading the coupling onto the inner tube establishes four flexing metal-to-metal seals (209A-D) between the threaded joint components. The inner and outer tubes maintain contact at the internal shoulder (104) as a result of preloading. If the tubes are of varying thicknesses, a nut (307) is placed between the internal shoulder and the threaded coupling to preserve contact between the tubes at the internal shoulder.

[Continued on next page]

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