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(54) Title: SWELLABLE METAL FOR NON-ELASTOMERIC O-RINGS, SEAL STACKS, AND GASKETS

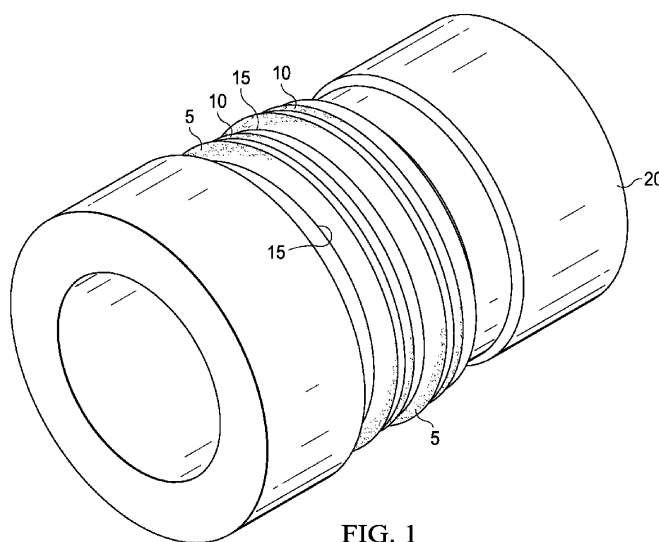


FIG. 1

(57) Abstract: Swellable metal sealing elements and methods for forming a seal in a wellbore using said swellable metal sealing elements. An example method comprises providing a swellable metal sealing element selected from the group consisting of an O-ring, a gasket, or a seal stack; wherein the swellable metal sealing element is disposed in or around a downhole tool disposed in the wellbore. The method further comprises exposing the swellable metal sealing element to a brine and allowing or causing to allow the swellable metal sealing element to swell.

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