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(54) Title: SEALING APPARATUS WITH SWELLABLE METAL

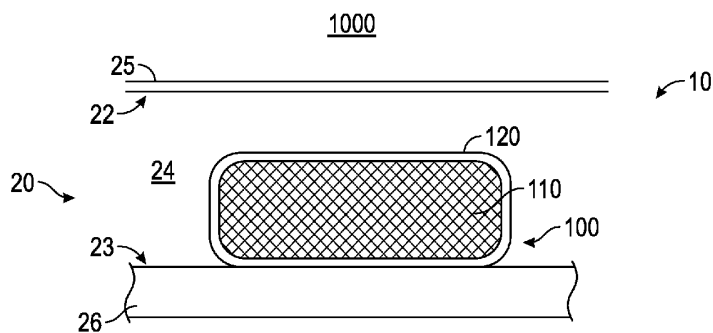


FIG. 1

(57) **Abstract:** A sealing apparatus is provided. The sealing apparatus includes a swellable metal. The swellable metal, when exposed to a fluid, is transitionable from an initial configuration having an initial volume to an expanded configuration having an increased volume. The swellable metal, upon transitioning to the expanded configuration in an annulus of a fluid channel, forms a seal against a surface of the fluid channel such that fluid communication across the swellable metal in the annulus is at least partially restricted.

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