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(54) Title: RAPID SETTING EXPANDABLE METAL

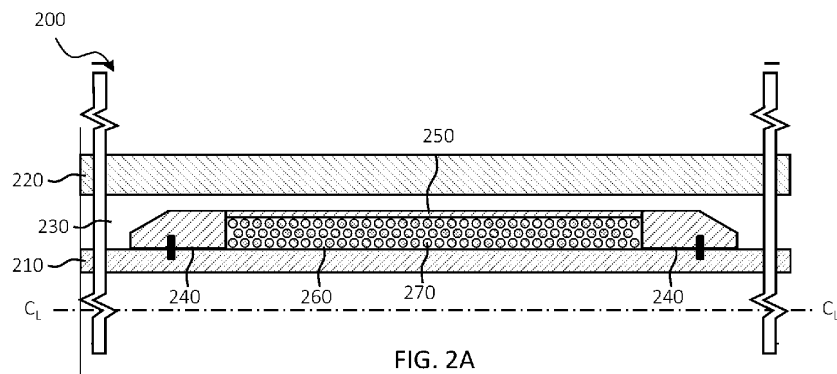


FIG. 2A

(57) Abstract: Provided is a downhole tool, a method for sealing within a well system, and a well system. The downhole tool, in at least one aspect, includes a tubular, and one or more expandable metal seal elements placed about the tubular. In at least one aspect, the one or more expandable metal seal elements comprise a metal configured to expand in response to hydrolysis and have a surface-area-to-volume ratio (SA:V) of at least 2 cm⁻¹.

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