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(54) Title: EXPANDABLE METAL SEALING/ANCHORING TOOL

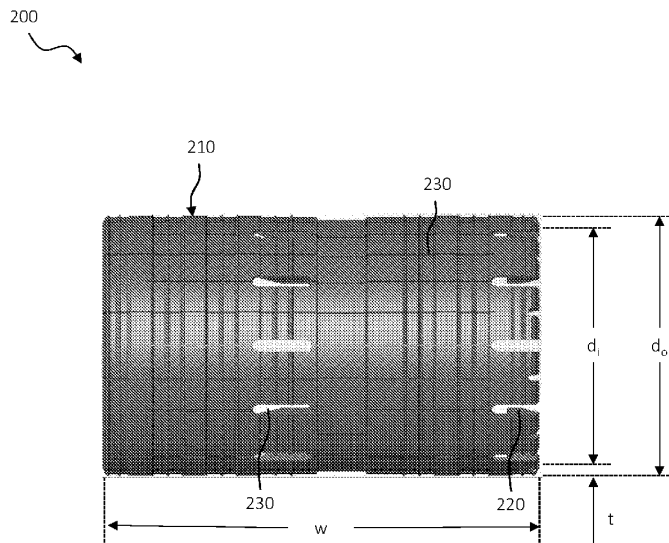


FIG. 2

(57) Abstract: Provided is a sealing/anchoring element, a sealing/anchoring tool, and a method for sealing/anchoring within a wellbore. The sealing/anchoring element, in one aspect, includes a circlet having an inside surface having an inside diameter (d_i), an outside surface having an outside diameter (d_o), a width (w), and a wall thickness (t). In one aspect, the circlet has one or more geometric features that allow it to elasto/plastically deform when moved from a radially reduced state to a radially enlarged state, and the circlet comprises an expandable metal configured to expand in response to hydrolysis.

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