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(54) Title: A VALVE INCLUDING AN EXPANDABLE METAL SEAL

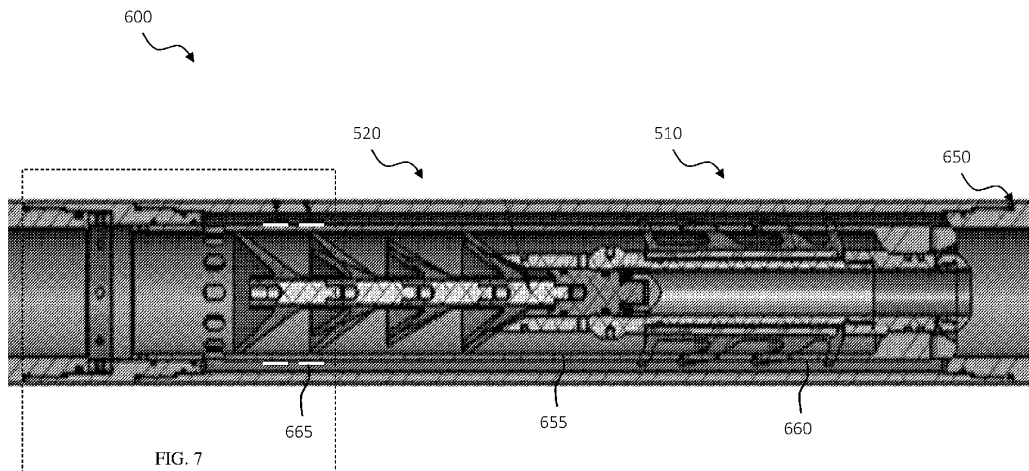


FIG. 6

(57) Abstract: The present disclosure, in at least one aspect, provides a valve, a method for sealing, and a related well system. The valve, in one aspect, includes a housing, and a sliding sleeve disposed in the housing and defining an annular flow path between the sliding sleeve and the housing, the sliding sleeve configured to move from a closed positioned closing the annular flow path to an open position opening the flow path. The valve, in at least one other aspect, further includes a plug member positioned within the annular flow path, the plug member comprising a metal configured to expand in response to hydrolysis to seal the annular flow path.

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