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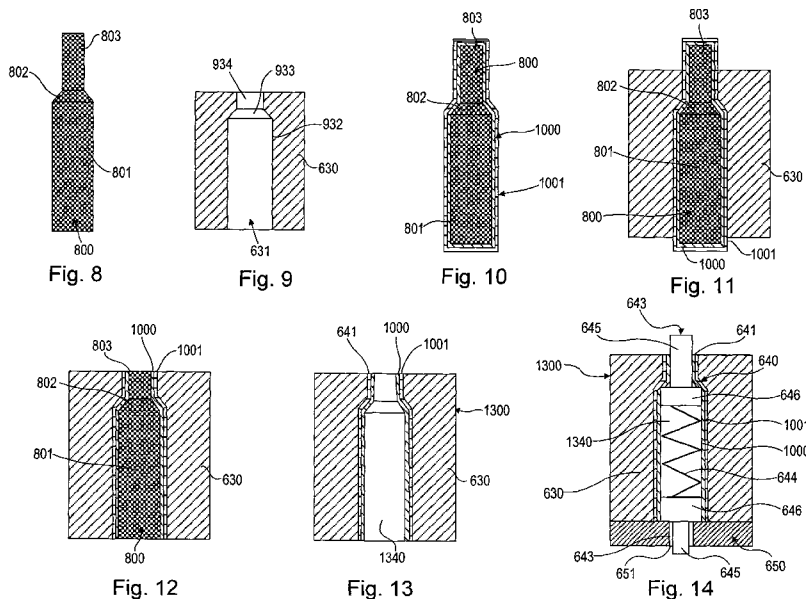
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(54) Title: ELECTRICAL CONNECTOR WITH EMBEDDED SHELL LAYER



(57) Abstract: An electrical connector and method of forming the same are provided, where the method can include affixing at least one layer to a core such that the layer is isomorphous to at least a portion of an external surface of the core, press fitting the core with the layer into a socket cavity in a socket body, and removing the core from the socket cavity while leaving at least a portion of the layer so that the layer forms a shell layer affixed to an internal surface of the socket cavity. The method can further include inserting at least one plunger and a biasing device into a shell cavity so that a tail of the plunger is slidably received in the shell cavity and the biasing device biases a tip of the plunger away from an internal surface of the shell cavity.