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(54) Title: HERMETICALLY SEALED PRODUCT AND RELATED METHODS OF MANUFACTURE

(57) Abstract: Embodiments of the invention include a method for sealing a container. The method includes, providing at least two components of the container, positioning a crushable material between the at least two components, positioning a reactive multilayer material between the at least two components, deforming the crushable material so as to form a seal between the at least two components, chemically transforming the reactive multilayer material so as to join the at least two components.