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(54) Title: CLOSURE/CONNECTORS FOR LINER-BASED SHIPPING AND DISPENSING CONTAINERS AND METHODS FOR FILLING LINER-BASED SHIPPING AND DISPENSING CONTAINERS

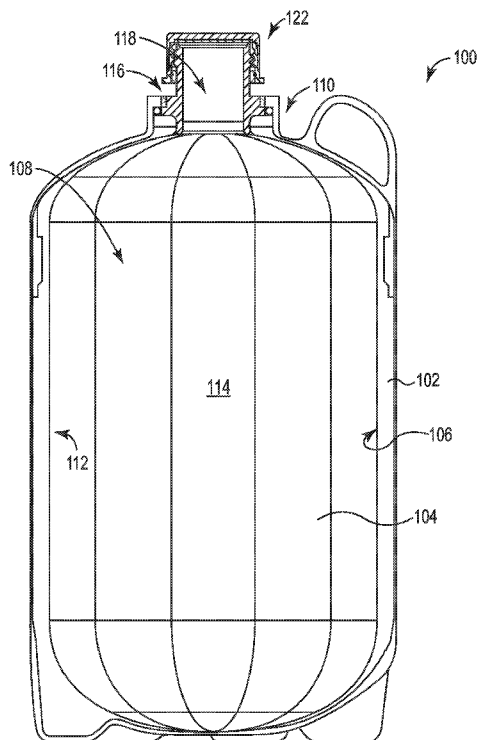


Fig. 1

(57) Abstract: A method for removing headspace gas from a liner-based assembly. The liner-based assembly may generally include an overpack, a liner positioned within the overpack and containing a material and headspace gas, and a closure for sealing the liner. The method may include providing a one-way valve in fluid communication with the interior of the liner and permitting flow in a direction out of the interior of the liner, and applying a vacuum to the one-way valve to evacuate headspace gas from the interior of the liner. In some embodiments, The liner-based assembly may also include a port in fluid communication with an annular space between the overpack and liner, and the method may include capping the port, for example, during application of the vacuum to the one-way valve.



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