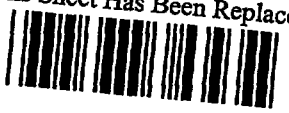
A MULTIPOSITIONAL RESEALABLE VIAL CONNECTOR ASSEMBLY FOR EFFICIENT TRANSFER OF LIQUID

ABSTRACT OF THE DISCLOSURE

A connector assembly is provided for efficient flow of liquid into and/or out of a vial, such as a vial containing a lyophilized drug. The connector assembly includes a spike slidably mounted in the open top of the vial. The connector assembly further includes a stopper sealingly engaged in the open top of the vial and slidably moveable in response to the axially movement of the spike. Thus, movement of the spike relative to the vial will move the stopper into or out of sealing engagement with the vial. The connector assembly further includes a spring for generating a small amount of axial movement of the spike after the stopper has been moved into the opened position in the vial. Movement of the spike generated by the spring will cause a sufficient change in pressure to overcome surface tension and initiate an efficient flow of fluid into or out of the vial.

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