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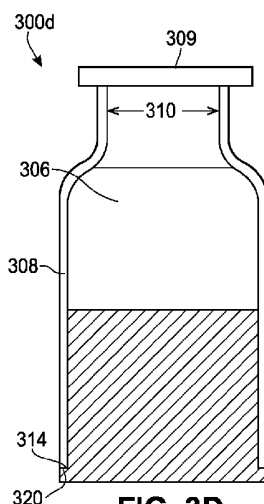
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(57) Abstract: Artificial lyo-vials are provided that include a portion of a vial. The portion of the vial includes a vial wall with a top end opening and a bottom end opening. The bottom end opening includes an inside diameter that is greater than an inside diameter of the top end opening. At least a portion of the vial wall is translucent. The artificial lyo-vials include an artificial lyo-cake. The artificial lyo-cake is secured within the portion of the vial. The artificial lyo-cake includes a base, an annular surface, a top surface, and a longitudinal dimension extending from the base to at least a portion of the top surface. An outside diameter of the artificial lyo-cake is greater than the inside diameter of the top end opening.

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