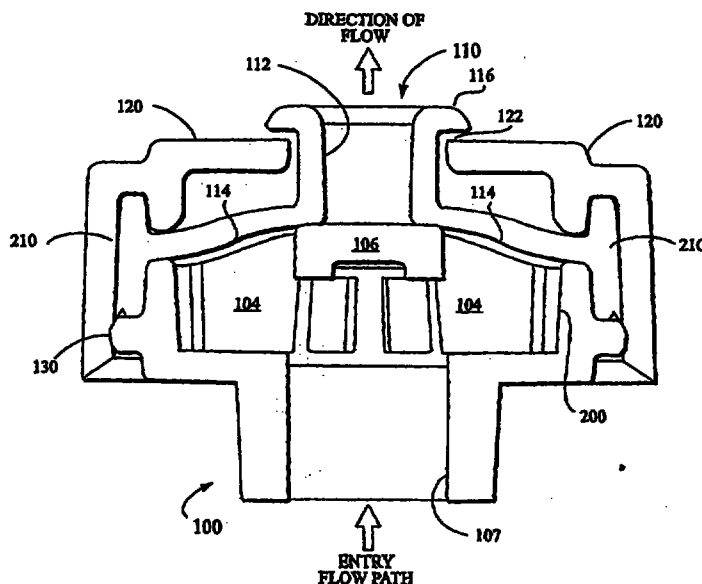




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(54) Title: SYSTEM FOR CONTAMINATION-FREE DELIVERING FLOWABLE MATERIAL



(57) Abstract

A system is provided for contamination free delivery and control of a flowable medium contained in an enclosed flow path or a container. The device enables a flowable material to be formulated without anti-oxidants, preservatives or anti microbial agents. This provides the advantage of an enhanced therapeutic effect for many medications, especially those which are considered labile. The system provides a seat (100) and reversibly deformable seal (110) disposed in the flow path; wherein the seal and seat are moveable between a closed and open state upon the deformation of the seal. In the closed state, the sealing surface (114) between the seal and seat entraps one or more layers of the flowable material which forms a bonding action between the seal and seat to prevent entry of external matter into the flow path while at the same time forming a barrier against the back flow migration of contaminating matter.