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(54) Title: APPARATUS AND PROCESS FOR FILLING PLURAL CHAMBER CONTAINERS

(57) Abstract

An apparatus and a process for filling a plural chamber container, such as a container, with plural flowable materials. The container might be a two-compartment dentifrice container or a two-compartment adhesive container, for example. The container (10) has internal partitioning (20) dividing it into plural chambers (22, 24) and the partitioning must be properly positioned to permit supply nozzles (36, 40) to enter the respective chambers. In one embodiment, the partioning is positioned by probes (30, 32) which are inserted into the chamber, following which relative rotating between the container and the probes causes the probes to position the partitioning. In a second embodiment, air nozzles emit air jets to position the partition. In another embodiment, an electrostatic charge is induced on the container sidewall and on the partition, and the like charges cause the sidewall and the partition to repel each other, positioning the partition. In a further embodiment, an air/vacuum nozzle (30d) is inserted into one of the container chambers, and air jets and suction are alternated to position the partition so that a supply nozzle can be inserted into each chamber of the container.

