

Title (en)

SYSTEM FOR DISPENSING CONTROLLED AMOUNTS OF FLOWABLE MATERIAL FROM A FLEXIBLE CONTAINER

Title (de)

VORRICHTUNG ZUR ABGABE BESTIMMTER MENGEN EINES FLIESSFÄHIGEN MATERIALS AUS EINEM FLEXIBLEN BEHÄLTER

Title (fr)

SYSTEME DE DISTRIBUTION DE QUANTITES REGLEES DE MATIERE FLUIDIFIABLE A PARTIR D'UN RECIPIENT FLEXIBLE

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Application

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Priority

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Abstract (en)

[origin: WO9806659A2] A system for dispensing controlled amounts of flowable materials having a wide range of viscosities, such as food condiments, from a flexible-walled container (22) or bag includes a second container (12) for holding the flexible-walled container and a piston (14) positioned within the second container to apply pressure to a wall of the flexible-walled container (22). An enfitment (18), which has a piercing member and sealing mechanism, is positioned adjacent an opposite wall of the flexible-walled container (22). By rotating the enfitment (18) about a rotational axis generally normal to the wall of the first container, the enfitment (18) forms an opening in the flexible-walled container and a seal with the container. The flowable material can then be forced through a hollow tube of the enfitment and an exit nozzle coupled to the enfitment. A desired amount of flowable material can be consistently dispensed from the flexible-walled container (22) by controlling the displacement of the piston (14) along a predetermined piston travel length for each dispensation of flowable material. Because the flexible-walled container (22) can have an uneven shape, the piston displacement is determined based on, among other parameters, the number of dispensations which have already been made, the viscosity of the dispensed material and the initial quantity of material within the container.

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