

Title (en)

Apparatus and method for filling containers with discrete solids.

Title (de)

Apparat und Verfahren zum Füllen von Behältern mit körnigen Feststoffen.

Title (fr)

Appareil et méthode de remplissage de conteneurs avec des solides en particules.

Publication

**EP 0009943 A1 19800416 (EN)**

Application

**EP 79302044 A 19790928**

Priority

GB 7838983 A 19781002

Abstract (en)

The specification describes a method and apparatus for vacuum filling containers, particularly small containers such as orally acceptable capsules, with powder. For filling a container (6) use is made of a material delivery passage (2) which is non-vertical. Discrete solid material from a supply (5) can descend freely into this passage but its spatial course and cross-sectional size are such that material remains supported in the passage until air is aspirated from the container (6) via an air exhaust passage (3). Flow of material through the delivery passage (2) ceases following restoration of normal atmospheric pressure at the exit end of such passage.

IPC 1-7

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Citation (search report)

- [AD] US 3693672 A 19720926 - HILAND LEWIS R
- [AD] GB 1510634 A 19780510 - ALBRO FILLERS & ENG CO LTD

Cited by

DE4305879A1; DE3243772A1; CN115367501A; WO9948757A1

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