

Title (en)

Valve for pre-vacuum filler for products with particulates

Title (de)

Ventil für Prevakuumfüller für partikelförmige Produkte

Title (fr)

Valve pour remplisseur sous vide de produits contenant des particules

Publication

**EP 1739019 B1 20090304 (EN)**

Application

**EP 06116195 A 20060628**

Priority

US 69492305 P 20050628

Abstract (en)

[origin: US2006289079A1] A filler valve ( 30 ) is mounted beneath a filler bowl ( 32 ) to selectively fill containers ( 34 ) positioned at a filling station ( 80 ) beneath the valve. The filler valve includes a generally rectilinear housing ( 36 ) for receiving a rotatable filler plug ( 38 ). The filler plug is rotatable by drive rollers ( 166 ) making sequential contact with the lugs ( 146 ) of star wheel ( 142 ) located at the proximal end of the filler plug. An end plate ( 40 ) closes off the distal end portion of the valve housing, and a distribution plate ( 42 ), rotatable with the plug, is sandwiched between the plug and the end plate. With the rotation of the filler plug, the flowable content from the container passes through the filler valve to the container being filled. Also, prior to the filling of the container, the container is evacuated, and during at least part of the filling process, the container is ventilated.

IPC 8 full level

**B65B 31/04** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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