

Title (en)

Vacuum bag fluid flow guide.

Title (de)

Ausflussführng für Vakuumsack.

Title (fr)

Guide pour le vidage d'un sac sous vide rempli de liquide.

Publication

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Application

EP 85301956 A 19850321

Priority

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- US 63583684 A 19840730

Abstract (en)

An elongated strip of plastics in a flexible bag guides liquid in the bag to the bag outlet when a vacuum is applied to the outlet. The flow guide has structure which forms a plurality of interconnected spaces that in turn form flow paths in combination with the bag collapsing walls. The guide can take many forms including a net-like configuration, a pattern of alternate recesses and projections on each face of a strip, woven material, open cell sponge like material @@@@hed randomly oriented fibres, material having spaced air bubbles between strips of plastic, or other such structures that can form flow paths in combination with bag wall. Also disclosed is a stretched flexible tube having a spiral slot formed therein to serve as a flow guile. Methods of making the bags and guides are further disclosed.

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CPC (source: EP US)

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Cited by

EP0251812A3; EP0278670A3; CN110621590A; CN111891549A; US2017269700A1; US10095318B2; EP0444982A1; FR2658793A1;
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