

Title (en)
VACUUM BAG FLUID FLOW GUIDE

Publication
EP 0156627 A3 19870401 (EN)

Application
EP 85301956 A 19850321

Priority
• US 59260284 A 19840322
• US 63583684 A 19840730

Abstract (en)
[origin: EP0156627A2] 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 @@@ed 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 guifle. Methods of making the bags and guides are further disclosed.

IPC 1-7
B65D 83/00; **B65D 33/36**; **B31B 31/90**

IPC 8 full level
B31B 19/90 (2006.01); **B31B 23/00** (2006.01); **B65B 61/18** (2006.01); **B65D 77/06** (2006.01)

CPC (source: EP US)
B31B 70/00 (2017.07 - EP); **B65B 61/186** (2013.01 - EP); **B65D 77/06** (2013.01 - EP US); **B31B 70/81** (2017.07 - EP);
B31B 2155/00 (2017.07 - EP); **B31B 2155/002** (2017.07 - EP); **B31B 2160/10** (2017.07 - EP); **B31B 2160/102** (2017.07 - EP US);
B65D 2231/002 (2013.01 - EP)

Citation (search report)
• [A] GB 756093 A 19560829 - FLEXIPAC LTD, et al
• [A] US 4138036 A 19790206 - BOND CURTIS J
• [A] US 4286636 A 19810901 - CREDLE WILLIAM S
• [A] US 4381846 A 19830503 - HECK SAMUEL C
• [A] US 2891700 A 19590623 - MICHAEL MAYNARD

Cited by
EP0251812A3; EP0278670A3; CN110621590A; CN111891549A; US2017269700A1; US10095318B2; EP0444982A1; FR2658793A1;
US5139168A; CN108116755A; US6968669B2; WO2007077518A3; US7600360B2; EP2673208A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0156627 A2 19851002; **EP 0156627 A3 19870401**; AU 4014485 A 19850926; AU 569942 B2 19880225

DOCDB simple family (application)
EP 85301956 A 19850321; AU 4014485 A 19850320