

Title (en)

COLLAPSIBLE BAG FOR DISPENSING LIQUIDS AND METHOD

Title (de)

FALTBARER BEUTEL ZUR AUSGABE VON FLÜSSIGKEITEN UND VERFAHREN

Title (fr)

SAC REPLIABLE POUR LA DISTRIBUTION DE LIQUIDES ET PROCEDE CORRESPONDANT

Publication

EP 1999028 A4 20110112 (EN)

Application

EP 07753158 A 20070314

Priority

- US 2007006509 W 20070314
- US 37560806 A 20060314

Abstract (en)

[origin: WO2007106542A2] A collapsible bag for dispensing liquids, including viscous liquids such as syrup and the like, comprising a first wall, a second wall, a spout, a surface variation associated with the first wall. The first wall and second wall are connected together to define a fluid chamber therebetween. The first wall and the second wall each have an inner surface facing the fluid chamber and an opposed outer surface. The spout is attached to one of the first and second walls, and has an opening therethrough having an axis substantially perpendicular to the one of the first and second walls to which it is attached. The surface variation is molded into at least a portion of the first wall. The surface variation limits contact between the inner surfaces of the first wall and the second wall so as to define a minimum unstressed volume therebetween wherein at least a portion of the minimum unstressed volume is maintained substantially throughout evacuation of liquid therefrom by suction.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XYI] US 2003205583 A1 20031106 - PROVENZA FRANK L [US]
- [Y] US 2002148857 A1 20021017 - SAVAGE CHESTER [US], et al
- [Y] WO 03039983 A1 20030515 - RAPAK LLC [US]
- [A] US 2003155269 A1 20030821 - LEE KYUL-JOO [KR]
- [A] EP 0216327 A2 19870401 - KRISTEN HANNIS J
- See references of WO 2007106542A2

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