

Title (en)

LIQUID PLASTIC FILM POUCH WITH INNER STRAW AND MACHINE AND METHOD OF MAKING

Title (de)

KUNSTSTOFFBEUTEL FÜR FLÜSSIGKEITEN MIT DARIN EINTHALTENEM STROHHALM, MASCHINE UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

SACHET EN FILM PLASTIQUE POUR LIQUIDES AVEC PAILLE INTERIEURE, MACHINE ET PROCEDE DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO9838110A1] A liquid product carrying plastic film pouch (10) having a straw (12) free-floating in the liquid product (11) is described. The liquid product (11) contained within the inner chamber (13) of the pouch occupies from about 60 % to about 90 % of the volume of the inner chamber (13) of the pouch and a portion of air from the remaining volume is evacuated in sufficient quantity to permit the side walls (14, 15) of the pouch to be collapsed against one another when the pouch is grasped by the hand of a user person. By collapsing the side walls (14, 15) together the straw (12) located within the liquid can be grasped and manipulated to puncture the plastic film pouch (1) to extend a portion (12') of the straw (12) exteriorly of the pouch whereby to extract liquid therefrom. The pouch (10) is made of a multilayer resin film having an inner sealant layer (26) formed of a linear low density ethylene-octene copolymer or very low density ethylene copolymer (octene or other copolymers) such that when the straw punctures the film, the inner sealant layer (26) forms a membrane about the straw which exhibits a self-sealing behavior so as to prevent leakage in the punctured region as liquid is extracted from the pouch (10) through the straw (12). The machine and method of fabrication is also disclosed.

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