

Title (en)

SYSTEM FOR IMPROVED ACCESS TO LIQUID IN A PLASTIC CONTAINER AND LID ASSEMBLY

Title (de)

SYSTEM ZUM VERBESSERTEN ZUGANG ZU FLÜSSIGKEIT IN EINER ANORDNUNG AUS KUNSTSTOFFBEHÄLTER UND DECKEL

Title (fr)

SYSTÈME D'ACCÈS AMÉLIORÉ À UN LIQUIDE DANS UN ENSEMBLE COUVERCLE ET RÉCIPIENT EN PLASTIQUE

Publication

EP 3823906 A4 20220817 (EN)

Application

EP 19837529 A 20190719

Priority

- US 201862701199 P 20180720
- US 201862753882 P 20181031
- US 2019042653 W 20190719

Abstract (en)

[origin: WO2020018937A1] The present invention is a system for improved access to liquid in a plastic container and lid assembly, to reduce time in pouring and eliminate dried liquid in the rim of the plastic container caused by pouring liquid over the rim of the plastic container. The invention uses two liquid-tight seals formed between a pour spout wall on the lid and a sealing channel on a plastic cap. Special structures are provided on the cap and the pour spout wall to form the liquid-tight seals when the cap is screwed onto the pour spout wall.

IPC 8 full level

B65D 47/12 (2006.01); **B65D 25/42** (2006.01)

CPC (source: EP US)

B65D 25/32 (2013.01 - US); **B65D 25/42** (2013.01 - EP); **B65D 47/123** (2013.01 - EP US); **B65D 51/18** (2013.01 - US); **B65D 2251/0025** (2013.01 - US); **B65D 2251/0081** (2013.01 - US); **B65D 2543/00092** (2013.01 - EP); **B65D 2543/00175** (2013.01 - EP); **B65D 2543/00203** (2013.01 - US); **B65D 2543/00296** (2013.01 - EP US); **B65D 2543/00851** (2013.01 - EP)

Citation (search report)

- [IA] US 2006261067 A1 20061123 - LETICA ANTON [US]
- [A] US 5257705 A 19931102 - DE SANTANA GILDETE V [BR]
- [A] GB 927788 A 19630606 - LAURANCE LESLIE SMITH
- See references of WO 2020018937A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2020018937 A1 20200123; BR 112021000656 A2 20210413; CA 3106314 A1 20200123; CL 2021000132 A1 20210604; CN 113165777 A 20210723; CN 113165777 B 20231013; EP 3823906 A1 20210526; EP 3823906 A4 20220817; MX 2021000789 A 20210412; US 2021261302 A1 20210826

DOCDB simple family (application)

US 2019042653 W 20190719; BR 112021000656 A 20190719; CA 3106314 A 20190719; CL 2021000132 A 20210115; CN 201980061683 A 20190719; EP 19837529 A 20190719; MX 2021000789 A 20190719; US 201917260717 A 20190719