

Title (en)

Package comprising a closure for a liquid container and a refill means, and a method for refilling the package

Title (de)

VERPACKUNG MIT VERSCHLUSS FÜR EINEN FLÜSSIGKEITSBEHÄLTER, NACHFÜLLANORDNUNG, UND NACHFÜLLVERFAHREN UNTER VERWENDUNG DESSELBEN

Title (fr)

Emballage comprenant un système de fermeture pour récipient a liquide, un système de remplissage, et procédé pour la recharge

Publication

EP 1120354 A1 20010801 (EN)

Application

EP 00101821 A 20000128

Priority

EP 00101821 A 20000128

Abstract (en)

The present invention relates to a package (10) comprising a closure for a liquid container (12) and a refill means (100), the closure comprising a transition collar (14) and a cap (16) wherein the transition collar (14) and the cap (16) are removably engaged by first fastening means (40, 58), and wherein the transition collar (14) comprises a pouring spout (52) wherein the refill means (100) comprises a funnel which is removably engaged by second fastening means (140, 58) with the transition collar (14). The present invention further relates to a method of refilling a package (10) wherein the package (10) comprises a closure for a liquid container (12) and wherein the closure comprises a transition collar (14) and a cap (16), wherein the transition collar (14) and the cap (16) are removably engaged by first fastening means (40, 58), and wherein the transition collar (14) comprises a pouring spout (52), the method comprises the steps of: disengaging the cap (16) from the transition collar (14); engaging a refill means (100) by means of a second fastening means (140, 58), wherein the refill means comprises a funnel; and pouring liquid into the package (10) through the transition collar (14) with the aid of the funnel. <IMAGE>

IPC 1-7

B65D 47/12

IPC 8 full level

B65D 47/06 (2006.01); **B65D 41/26** (2006.01); **B65D 47/12** (2006.01)

CPC (source: EP)

B65D 47/122 (2013.01)

Citation (applicant)

- US 4550862 A 19851105 - BARKER DALE E [US], et al
- US 4696416 A 19870929 - MUCKENFUHS DELMAR R [US], et al
- EP 0626319 A1 19941130 - PROCTER & GAMBLE [US]
- US 5762120 A 19980609 - SMITH ALAN [US]
- US 4823848 A 19890425 - SENTMORE SR DARRYL J [US], et al

Citation (search report)

- [DY] US 4550862 A 19851105 - BARKER DALE E [US], et al
- [Y] US 5921296 A 19990713 - PORTER MICHAEL T [US], et al

Cited by

JP2013071781A; EP3992105A3; US9493332B2; WO2015158183A1; WO2013176917A1; US11891211B2; US11897659B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1120354 A1 20010801; **EP 1120354 A9 20011114**; **EP 1120354 B1 20040331**; AT E263076 T1 20040415; AU 3309601 A 20010807; DE 60009438 D1 20040506; DE 60009438 T2 20050303; ES 2214990 T3 20041001; JP 2003520742 A 20030708; WO 0155002 A1 20010802

DOCDB simple family (application)

EP 00101821 A 20000128; AT 00101821 T 20000128; AU 3309601 A 20010129; DE 60009438 T 20000128; ES 00101821 T 20000128; JP 2001554956 A 20010129; US 0102891 W 20010129