

Title (en)

Aseptic liquid packaging container with reclosable opening member.

Title (de)

Aseptische Flüssigkeitsverpackung versehen mit einem wiederverschliessbaren Öffnungselement.

Title (fr)

Emballage aseptique pour liquides pourvu d'un élément d'ouverture refermable.

Publication

EP 0577865 A1 19940112 (EN)

Application

EP 92111410 A 19920706

Priority

EP 92111410 A 19920706

Abstract (en)

The invention relates to a single piece reclosable opening member (10) for pouring liquids from packaging containers. In particular, the invention relates to reclosable opening members (10) which have a lid (18) for reclosure and which are initially opened by pulling up the lid (18). In a preferred embodiment the pulling-up motion of the lid (18) actuates opening of a designated opening aperture (38) in the container. This is achieved by pushing down the material of the designated opening aperture (38) into the container, thereby separating it from the container and lifting it out of the container when pulling up the lid (18). This preferred embodiment achieves initial opening in one single motion. In a second aspect the present invention relates to the above described opening member in combination with an aseptic laminate container having a designated opening aperture. <IMAGE> <IMAGE>

IPC 1-7

B65D 5/72

IPC 8 full level

B65D 5/72 (2006.01)

CPC (source: EP)

B65D 5/727 (2013.01)

Citation (applicant)

- DE 2232799 A1 19730118 - TETRA PAK DEV
- DE 2407345 A1 19740905 - TETRA PAK DEV
- DE 2520569 A1 19761118 - ALTSTAEDTER VERPACK VERTRIEB
- DE 2706735 A1 19780831 - ALTSTAEDTER VERPACK VERTRIEB
- DE 2758092 A1 19790628 - ALTSTAEDTER VERPACK VERTRIEB
- DE 2659275 A1 19780706 - LINNICH PAPIER & KUNSTSTOFF
- DE 3513976 A1 19861030 - TETRA PAK INT [SE]
- DE 3808303 A1 19890921 - PKL VERPACKUNGSSYSTEME GMBH [DE]
- EP 0167095 A2 19860108 - DAINIPPON PRINTING CO LTD [JP]
- EP 0004332 A1 19791003 - HOECHST AG [DE]
- EP 0141229 A1 19850515 - INT PAPER CO [US]
- EP 0214791 A2 19870318 - MINNESOTA MINING & MFG [US]

Citation (search report)

- [Y] EP 0444862 A1 19910904 - JUJO PAPER CO LTD [JP]
- [Y] EP 0332800 A2 19890920 - PKL VERPACKUNGSSYSTEME GMBH [DE]
- [A] EP 0368053 A1 19900516 - TETRA ALFA HOLDINGS [CH]
- [A] GB 2127387 A 19840411 - SUNBEAM PLASTICS CORP

Cited by

DE4340553A1; DE19807474A1; AU734525B2; CN1062523C; DE19610879C1; FR2745266A1; US6041968A; AU718330B2; CN1072160C; US5639018A; US5823420A; US5992734A; US6244503B1; US6216945B1; US8590723B2; US7028863B1; WO9746455A1; WO9731829A1; WO9708065A1; WO2004028917A3; WO9943561A1; WO9735769A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0577865 A1 19940112; EP 0577865 B1 19960124; AT E133384 T1 19960215; DE 69207895 D1 19960307; DE 69207895 T2 19960905; DK 0577865 T3 19960520; ES 2089300 T3 19961001; GR 3018788 T3 19960430

DOCDB simple family (application)

EP 92111410 A 19920706; AT 92111410 T 19920706; DE 69207895 T 19920706; DK 92111410 T 19920706; ES 92111410 T 19920706; GR 960400022 T 19960125