

Title (en)

PORTION CONTAINER, CONTAINER MIXING SYSTEM AND METHOD OF USE THEREFOR

Title (de)

PORTIONSBEHÄLTER, BEHÄLTERMISCHSYSTEM UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

RÉCIPIENT DE PORTIONS, SYSTÈME DE MÉLANGE DE RÉCIPIENT ET PROCÉDÉ D'UTILISATION ASSOCIÉ

Publication

EP 3904230 A1 20211103 (EN)

Application

EP 20172407 A 20200430

Priority

EP 20172407 A 20200430

Abstract (en)

A portion container (30) comprises a hollow body (31) to receive a first substance (48), which has a lower end portion containing a sealable opening (34), a rupturable membrane (45) adapted to engage and thereby seal the opening (34), and an actuation element (37) provided at an opposite upper end portion of the hollow body (31). The portion container (30) further comprises an insert (40) provided inside the hollow body (31) between the actuation element (37) and the rupturable membrane (45) and adapted to be pushed in the direction (400) towards the rupturable membrane (45), wherein the insert (40) has a cutting tip (43) at its free end adjacent near the rupturable membrane (45) which cutting tip (43) is positioned to be adapted to engage and rupture the rupturable membrane (45) when the actuation element (37) is pushed towards the rupturable membrane (45).

IPC 8 full level

B65D 51/28 (2006.01)

CPC (source: EP)

B65D 51/2835 (2013.01)

Citation (applicant)

- WO 2017146625 A1 20170831 - ZIIP BOOTLES AB [SE]
- WO 2014056079 A1 20140417 - UMORO INC [CA]
- EP 2752373 A1 20140709 - PEPSICO INC [US]
- EP 1795457 A1 20070613 - YOSHINO KOGYOSHO CO LTD [JP]
- EP 2298664 B1 20120321 - YOSHINO KOGYOSHO CO LTD [JP]
- WO 9944901 A1 19990910 - SOUTHCORP AUSTRALIA PTY LTD [AU], et al

Citation (search report)

- [X] EP 2700589 A2 20140226 - LEE SEONG-JAE [KR], et al
- [X] CN 107985788 A 20180504 - BEIJING BEIJING 3D DIGITAL TECH CO LTD, et al
- [X] JP H1059373 A 19980303 - TOYO SEIKAN KAISHA LTD
- [X] CH 714331 A2 20190515 - BEVASWISS AG [CH]
- [X] WO 2017046420 A1 20170323 - BEVASWISS AG [CH]
- [X] JP 2005247382 A 20050915 - NIPPON TANSAN GAS CO LTD
- [A] WO 2006046730 A1 20060504 - COCA COLA CO [US], et al
- [A] US 2003213709 A1 20031120 - GIBLER GREGORY A [US], et al
- [X] US 5543042 A 19960806 - FILAN FINBARR J [IE], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3904230 A1 20211103

DOCDB simple family (application)

EP 20172407 A 20200430