

Title (en)

Method and device for filling multi-component drinks

Title (de)

Vorrichtung und Verfahren zum Abfüllen von mehrkomponentigen Getränken

Title (fr)

Dispositif et procédé destinés au remplissage de boissons à plusieurs composants

Publication

EP 2412664 A3 20131106 (DE)

Application

EP 11174539 A 20110719

Priority

DE 102010032398 A 20100727

Abstract (en)

[origin: EP2412664A2] The method involves filling a component in a container to be filled by a filling unit (2). The component of the liquid filler container is transported to another filling unit (4). A filling capacity of the component is determined after the filling of the component in the container. Independent claims are also included for the following: (1) a device with a quantity measuring device; and (2) a filling unit with a flowable product.

IPC 8 full level

B67C 3/02 (2006.01); **B65B 3/28** (2006.01); **B67C 3/20** (2006.01)

CPC (source: CN EP US)

B65B 3/28 (2013.01 - CN EP US); **B67C 3/001** (2013.01 - CN EP US); **B67C 3/02** (2013.01 - EP US); **B67C 3/023** (2013.01 - CN EP US); **B67C 3/202** (2013.01 - CN EP US); **B67C 3/208** (2013.01 - CN EP US); **B65B 2220/14** (2013.01 - CN EP US)

Citation (search report)

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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 2412664 A2 20120201; **EP 2412664 A3 20131106**; **EP 2412664 B1 20161228**; CN 102372241 A 20120314; CN 102372241 B 20160518; CN 105775185 A 20160720; CN 105775185 B 20191018; DE 102010032398 A1 20120202; EP 3072847 A1 20160928; EP 3072847 B1 20171025; JP 2012035913 A 20120223; JP 2016172590 A 20160929; SI 2412664 T1 20170426; SI 3072847 T1 20180330; US 2012060965 A1 20120315; US 9302894 B2 20160405

DOCDB simple family (application)

EP 11174539 A 20110719; CN 201110196482 A 20110714; CN 201610235105 A 20110714; DE 102010032398 A 20100727; EP 16169571 A 20110719; JP 2011155318 A 20110714; JP 2016078564 A 20160411; SI 201131125 A 20110719; SI 201131397 T 20110719; US 201113184487 A 20110715