

Title (en)

Filling system for filling containers and operating method therefor

Title (de)

Befüllungsanlage zum Befüllen von Behältnissen und Betriebsverfahren dafür

Title (fr)

Installation de remplissage pour le remplissage de récipients et son procédé de fonctionnement

Publication

EP 2361696 A3 20130529 (DE)

Application

EP 11154873 A 20110217

Priority

DE 102010009138 A 20100223

Abstract (en)

[origin: EP2361696A2] The method involves temporarily supplying gas to containers (10) during a filling operation via connection lines, where the lines differ in sections. The gas is exhausted from the containers using a gas exchange device. A rinsing mode is provided such that a filling device (4) and the connection lines are partly purged with rinsing medium e.g. hot water. A characteristic value is determined for the connection lines, where the value is provided for an amount of rinsing medium reaching the connection lines. The supply and removal of gas are controlled by the valve device. An independent claim is also included for a device for filling up liquids in containers, comprising a set of filling devices.

IPC 8 full level

B08B 9/032 (2006.01); **B67C 3/00** (2006.01); **B67D 1/07** (2006.01)

CPC (source: EP)

B08B 9/0321 (2013.01); **B08B 9/0325** (2013.01); **B67C 3/001** (2013.01)

Citation (search report)

- [IY] EP 0979797 A1 20000216 - KHS MASCH & ANLAGENBAU AG [DE]
- [YD] EP 0672613 B1 19981202 - TILL GEA GMBH & CO [DE]
- [Y] EP 1216952 A2 20020626 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] EP 0829450 A1 19980318 - KHS MASCH & ANLAGENBAU AG [DE]

Cited by

EP2809456B1

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 2361696 A2 20110831; **EP 2361696 A3 20130529**; **EP 2361696 B1 20170104**; CN 102190264 A 20110921; CN 102190264 B 20151104; DE 102010009138 A1 20110825; SI 2361696 T1 20170531

DOCDB simple family (application)

EP 11154873 A 20110217; CN 201110043381 A 20110222; DE 102010009138 A 20100223; SI 201131146 A 20110217