Title (en)

SYSTEM AND METHOD FOR FILLING CONTAINERS WITH A CARBONATED PRODUCT, HAVING IMPROVED EFFICIENCY

Title (de)

SYSTEM UND VERFAHREN ZUM BEFÜLLEN VON BEHÄLTERN MIT EINEM KOHLENSÄUREHALTIGEN PRODUKT, MIT VERBESSERTER EFFIZIENZ

Title (fr)

SYSTÈME ET PROCÉDÉ DE REMPLISSAGE DE CONTENANTS AVEC UN PRODUIT GAZÉIFIÉ, PRÉSENTANT UNE EFFICACITÉ AMÉLIORÉE

Publication

EP 3647257 A1 20200506 (EN)

Application

EP 18306406 A 20181029

Priority

EP 18306406 A 20181029

Abstract (en)

A system for filling containers (2) with a carbonated product by a container filling machine (1) comprising a number of filling units (5) coupled to a rotating conveyor (4), designed to rotate around a rotation axis (A) to perform filling operations on a respective container (2) according to a filling recipe; wherein the filling recipe envisages at least one flushing phase for flushing of the container (2) with a stream of carbon dioxide (CO₂), preceding a filling phase for filling the container (2) with the carbonated product. The system has a processing module (12; 12'), designed to: determine a disturbance cause affecting the filling machine (1) that would lead to an increase of an oxygen amount in the filled containers (2); and in response to determining the disturbance cause, cause a dynamic increase of a duration of the at least one flushing phase of the filling recipe, as a function of the determined disturbance.

IPC 8 full level

B67C 3/00 (2006.01); **B67C 3/10** (2006.01)

CPC (source: EP)

B67C 3/007 (2013.01); **B67C 3/10** (2013.01)

Citation (search report)

- [A] EP 0697369 A1 19960221 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] WO 2008065685 A1 20080605 - SIDEL HOLDINGS & TECHNOLOGY SA [CH], et al

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WO2022037047A1

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)

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DOCDB simple family (application)

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