

Title (en)

DEVICE AND METHOD FOR STERILISATION IN THE FILLING, PREFERABLY, OF LIQUID FOODSTUFF INTO PACKING CONTAINERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM STERILISIEREN BEI DER ABFÜLLUNG VORZUGSWEISE FLÜSSIGER LEBENSMITTEL IN PACKUNGBEHÄLTER

Title (fr)

DISPOSITIF ET PROCÉDÉ DE STÉRILISATION LORS DU VERSEMENT D'ALIMENTS DE PRÉFÉRENCE LIQUIDES DANS DES RÉCIPIENTS D'EMBALLAGE

Publication

EP 3397561 A1 20181107 (DE)

Application

EP 16805844 A 20161205

Priority

- DE 102015122876 A 20151228
- EP 2016079772 W 20161205

Abstract (en)

[origin: WO2017114640A1] The invention relates to a method and a device for sterilisation in the filling, preferably, of liquid foodstuffs into packing containers, comprising a pre-heating zone (A), a sterilisation zone (B), a drying zone (C), a filling zone (D) and a closing zone (E), which form a sterile space and are arranged directly adjacent to one another and are closed in the upward direction by a hood (1), which accommodates the necessary supply elements and lines. In order to reliably prevent a penetration of germs into the packages which are open at the top and passing through the treatment zones and into the sterile space formed by the treatment zones, according to the invention, substantially horizontal air-guiding elements (18, 22, 26) having a plurality of openings are provided in the sterile space below the hood (1) and sterile air is supplied to same from above via the hood (1) so that a laminar flow running uniformly downwards is formed below the air-guiding elements (18, 22, 26).

IPC 8 full level

B65B 55/02 (2006.01); **B65B 55/10** (2006.01)

CPC (source: EP US)

B65B 3/04 (2013.01 - EP US); **B65B 55/025** (2013.01 - EP US); **B65B 55/10** (2013.01 - EP US); **B65B 55/24** (2013.01 - US)

Citation (search report)

See references of WO 2017114640A1

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)

DE 102015122876 A1 20170629; CN 108473220 A 20180831; EP 3397561 A1 20181107; JP 2019501086 A 20190117; US 2019016493 A1 20190117; WO 2017114640 A1 20170706

DOCDB simple family (application)

DE 102015122876 A 20151228; CN 201680077012 A 20161205; EP 16805844 A 20161205; EP 2016079772 W 20161205; JP 2018552119 A 20161205; US 201616066459 A 20161205