

Title (en)

A METHOD, DEVICE AND SYSTEM FOR STERILISING PACKAGING MATERIAL OF PACKAGES

Title (de)

VERFAHREN, VORRICHTUNG UND SYSTEM ZUR STERILISIERUNG VON VERPACKUNGSMATERIAL VON VERPACKUNGEN

Title (fr)

PROCÉDÉ, DISPOSITIF ET SYSTÈME DE STÉRILISATION DE MATÉRIAU DE CONDITIONNEMENT D'EMBALLAGES

Publication

EP 3674223 A1 20200701 (EN)

Application

EP 19211292 A 20191125

Priority

EP 18209964 A 20181204

Abstract (en)

A method (100) for sterilising a packaging material (1) with electron beam irradiation in a filling machine, wherein the method (100) comprises: arranging the packaging material (1) in the proximity of an electron beam emitter (20), activating the electron beam emitter (20) in order to sterilise the packaging material (1) as the packaging material (1) moves in relation to the electron beam emitter (20), and adjusting an acceleration voltage of the electron beam emitter (20) as the packaging material (1) is sterilised. An electron beam emitter (20) for sterilising a packaging material (1) with electron beam irradiation in a filling machine and a filling machine comprising a sterilising unit comprising at least one such electron beam emitter (20) are also provided.

IPC 8 full level

B65B 55/08 (2006.01)

CPC (source: EP)

B65B 55/08 (2013.01); **B65B 59/003** (2019.04)

Citation (applicant)

- WO 2005002973 A1 20050113 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- WO 2007145561 A1 20071221 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- EP 2492202 A1 20120829 - KRONES AG [DE]

Citation (search report)

- [XYI] WO 2016114108 A1 20160721 - HITACHI SHIPBUILDING ENG CO [JP]
- [Y] EP 2755052 A1 20140716 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [A] WO 2014086675 A2 20140612 - TETRA LAVAL HOLDINGS & FINANCE [CH]

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

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DOCDB simple family (application)

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