

Title (en)

Method and apparatus for sanitizing filling machines and systems, particularly for food products

Title (de)

Verfahren und Vorrichtung zum Desinfizieren von Füllmaschinen- und Systemen, insbesondere für Lebensmittel

Title (fr)

Méthode et dispositif pour nettoyer des machines et systèmes de remplissage, en particulier pour des produits alimentaires

Publication

**EP 0785134 A3 19971210 (EN)**

Application

**EP 96202989 A 19961026**

Priority

IT MI960059 A 19960116

Abstract (en)

[origin: EP0785134A2] A method for sanitizing filling machines (111) and systems (11) in the food industry, for the purpose of reducing the microbic load, and the apparatus used for implementing this method. The main characteristic of the method of the present invention is that it uses a collection and drainage device (70) for the sanitizer liquid comprising a hollow cylinder (32) into which the liquid flows, a retention disc (31) arranged to hermetically seal the device (70) when it comes into contact with the cock (39) of the filling section (14), and a movable piston (34) arranged to close the cylinder (32) (and at the same time to open the inlet valve (24) for the sanitizer liquid) during liquid circulation, and to open the cylinder (32) during the draining of the liquid from a cup (26). <IMAGE>

IPC 1-7

**B65B 55/02**; **B67C 3/00**

IPC 8 full level

**B65B 55/02** (2006.01); **B67C 3/00** (2006.01)

CPC (source: EP)

**B65B 55/02** (2013.01); **B67C 3/004** (2013.01)

Citation (search report)

- [A] DE 3927402 A1 19910221 - HOLSTEIN & KAPPERT MASCHF [DE]
- [A] EP 0659682 A1 19950628 - ORTMANN & HERBST MASCH GMBH [DE]
- [A] US 4024896 A 19770524 - ISHIOKA YOSHIJI, et al

Cited by

WO2021213607A1; JP2011524840A; EP1195325A1; DE19808236A1; US6105634A; ES2199009A1; EP2192078A1; RU2468986C2; AU2008276391B2; EP2110359A1; ITTO20090531A1; US8480390B2; US9284173B2; US8678239B2; EP2103564A1; EP1577258A1; ES2342644A1; ES2216666A1; EP2246291A1; ITPD20090116A1; AU2009259653B2; RU2503595C2; WO2009152979A1; WO2013026523A3; WO2009012011A3; US6401771B1; EP2409947A2; DE102010027623A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB LI NL PT

DOCDB simple family (publication)

**EP 0785134 A2 19970723**; **EP 0785134 A3 19971210**; **EP 0785134 B1 20011205**; AT E210047 T1 20011215; DE 69617620 D1 20020117; DE 69617620 T2 20020808; ES 2167514 T3 20020516; IT 1281670 B1 19980226; IT MI960059 A0 19960116; IT MI960059 A1 19970716

DOCDB simple family (application)

**EP 96202989 A 19961026**; AT 96202989 T 19961026; DE 69617620 T 19961026; ES 96202989 T 19961026; IT MI960059 A 19960116