

Title (en)
DEVICE FOR CLEANING AND STERILIZING A FILLING VALVE OF BEVERAGE FILLING SYSTEM FOR FILLING A CONTAINER WITH A FILLING PRODUCT

Title (de)
VORRICHTUNG ZUM REINIGEN UND STERILISIEREN EINES FÜLLVENTILS EINER GETRÄNKEABFÜLLANLAGE ZUM BEFÜLLEN EINES BEHÄLTERS MIT EINEM FÜLLPRODUKT

Title (fr)
DISPOSITIF POUR NETTOYER ET STÉRILISER UNE SOUPAPE DE REMPLISSAGE D'UNE INSTALLATION DE REMPLISSAGE DE BOISSONS POUR REMPLIR UN CONTENANT D'UN PRODUIT DE REMPLISSAGE

Publication
EP 3247930 A1 20171129 (DE)

Application
EP 16701337 A 20160122

Priority
• DE 102015100893 A 20150122
• EP 2016051335 W 20160122

Abstract (en)
[origin: WO2016116596A1] The present invention relates to a device (10) and a method for cleaning and sterilizing a filling valve of beverage filling system for filling a container with a filling product, comprising a cap (20) for closing a filling product outlet of the filling valve during the cleaning and sterilization, wherein the cap (20) has a through-opening (22) for discharging sterilization medium during the sterilization, and a valve (30) for opening and closing the through-opening (22), wherein the valve (30) comprises a shape-memory material for switching the valve (30) between an open and a closed position at a predetermined temperature.

IPC 8 full level
F16K 31/00 (2006.01); **A61L 2/07** (2006.01)

CPC (source: CN EP US)
A61L 2/07 (2013.01 - CN EP US); **A61L 2/26** (2013.01 - CN EP US); **F16K 31/002** (2013.01 - CN EP US); **A61L 2202/123** (2013.01 - CN EP US); **A61L 2202/15** (2013.01 - US); **A61L 2202/17** (2013.01 - US)

Citation (search report)
See references of WO 2016116596A1

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)
WO 2016116596 A1 20160728; CN 107223058 A 20170929; DE 102015100893 A1 20160728; EP 3247930 A1 20171129; JP 2018508422 A 20180329; JP 6812351 B2 20210113; US 2018000975 A1 20180104

DOCDB simple family (application)
EP 2016051335 W 20160122; CN 201680006785 A 20160122; DE 102015100893 A 20150122; EP 16701337 A 20160122; JP 2017538391 A 20160122; US 201615545613 A 20160122