

Title (en)
FILLING ELEMENT COMPRISING A SPRAY NOZZLE OR SPRAY NOZZLE ASSEMBLY, AND METHOD FOR CLEANING MACHINE ELEMENTS

Title (de)
FÜLLELEMENT MIT EINER SPRITZDÜSE ODER SPRITZDÜSENANORDNUNG, SOWIE VERFAHREN ZUM REINIGEN VON MASCHINENELEMENTEN

Title (fr)
ÉLÉMENT DE REMPLISSAGE PRÉSENTANT UNE BUSE D'INJECTION OU UN ENSEMBLE BUSE D'INJECTION, ET PROCÉDÉ DE NETTOYAGE D'ÉLÉMENTS DE MACHINE

Publication
EP 2665676 B1 20170104 (DE)

Application
EP 11784420 A 20111103

Priority
• DE 102011008878 A 20110118
• EP 2011005539 W 20111103

Abstract (en)
[origin: WO2012097838A1] The invention relates to a filling element for use in a container treatment machine in the form of a filling machine for filling bottles or similar containers (2) with a liquid filling material, comprising a filling element housing (4.1), in which at least one liquid channel (4.2) is formed which is required for the filling function and is used as a dispensing opening for the controlled dispensing of filling material to the respective container (2), characterized in that, in addition to the at least one channel (4.2) required for the filling function, at least one separate cleaning and/or disinfecting channel (16, 23, 29) is formed in or on the filling element housing (4.1), said separate channel, for the purpose of delivering a cleaning and/or disinfecting medium, preferably a liquid cleaning and/or disinfecting medium, connecting at least one spray nozzle or spray nozzle assembly (13) which is provided on the outer face of the filling element housing (4.1) to a connection for supplying said medium.

IPC 8 full level
B67C 3/00 (2006.01)

CPC (source: EP US)
B67C 3/005 (2013.01 - EP US); **B67C 3/22** (2013.01 - US); **B67C 3/2642** (2013.01 - US); **B67C 3/28** (2013.01 - US);
B67C 2003/228 (2013.01 - US)

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

DOCDB simple family (publication)
DE 102011008878 A1 20120719; EP 2665676 A1 20131127; EP 2665676 B1 20170104; SI 2665676 T1 20170228;
US 2013284309 A1 20131031; US 2017073207 A1 20170316; US 9475681 B2 20161025; WO 2012097838 A1 20120726

DOCDB simple family (application)
DE 102011008878 A 20110118; EP 11784420 A 20111103; EP 2011005539 W 20111103; SI 201131083 A 20111103;
US 201113979077 A 20111103; US 201615271619 A 20160921