

Title (en)

TREATMENT HEAD AND CONTAINER TREATMENT MACHINE COMPRISING A TREATMENT HEAD

Title (de)

BEHANDLUNGSKOPF SOWIE BEHÄLTERBEHANDLUNGSMASCHINE MIT EINEM BEHANDLUNGSKOPF

Title (fr)

TÊTE DE TRAITEMENT ET MACHINE DE TRAITEMENT DE RÉCIPIENTS ÉQUIPÉE D'UNE TÊTE DE TRAITEMENT

Publication

EP 3151983 B1 20180704 (DE)

Application

EP 15722716 A 20150513

Priority

- DE 102014107878 A 20140604
- EP 2015060613 W 20150513

Abstract (en)

[origin: WO2015185338A1] The invention relates to a treatment head for cleaning containers (2) which have a valve arrangement (2.1), comprising a tappet (4) which is movably held in a treatment head housing (3) for opening the valve arrangement (2.1) of the container (2). The treatment head also comprises a first fluid channel (5) which is provided in the treatment head and which has at least one annular fluid channel section (5.3) and a second fluid channel (6) which is circumferentially surrounded by the first fluid channel (5) at least in some sections. The first and second fluid channel (5, 6) are provided in order to supply and/or discharge a liquid or gaseous fluid into/out of the container (2). Means for generating a spiral flow are provided in the first fluid channel (5) or in a fluid line (7) connected to the first fluid channel (5).

IPC 8 full level

B08B 9/08 (2006.01); **B05B 1/34** (2006.01); **B08B 9/00** (2006.01); **B05B 13/06** (2006.01)

CPC (source: EP US)

B05B 1/3415 (2013.01 - EP US); **B05B 1/3426** (2013.01 - US); **B05B 13/0627** (2013.01 - EP US); **B05B 13/069** (2013.01 - EP US);
B08B 9/0813 (2013.01 - EP US); **B08B 9/0826** (2013.01 - EP 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)

WO 2015185338 A1 20151210; DE 102014107878 A1 20151217; EP 3151983 A1 20170412; EP 3151983 B1 20180704;
US 10569313 B2 20200225; US 2018009012 A1 20180111

DOCDB simple family (application)

EP 2015060613 W 20150513; DE 102014107878 A 20140604; EP 15722716 A 20150513; US 201515316362 A 20150513