Title (en)
CONTAINER RINSING SYSTEM AND METHOD OF ITS ASSEMBLING

Title (de)
BEHÄLTERSPÜLSYSTEM UND VERFAHREN ZU SEINER MONTAGE

Title (fr)
SYSTÈME DE RINÇAGE DE RÉCIPIENT ET PROCÉDÉ POUR SON ASSEMBLAGE

Publication
EP 2825323 A1 20150121 (EN)

Application
EP 13761545 A 20130311

Priority
- US 201213417944 A 20120312
- US 2013030171 W 20130311

Abstract (en)
[origin: WO2013138231A1] A container rinsing system has a nozzle adapted to be positioned proximate an opening of the container and adapted to direct a supply of air in any orientation to the container. A vacuum member is positioned around the air nozzle and adapted to vacuum foreign particles away from the container. A system comprises an air source and a manifold having a manifold inlet, an ionization unit, and a plurality of manifold outlets along with a plurality of air nozzles. Each nozzle has a nozzle inlet, a nozzle outlet, and a nozzle passageway extending between the nozzle inlet and the nozzle outlet. The ionization unit is placed within the manifold, and the plurality of nozzles are located on the plurality of manifold outlets such that during operation air is ionized before entering the nozzles. The ionized air is used to clean containers.

IPC 8 full level
B08B 5/02 (2006.01); **B08B 9/08** (2006.01); **B08B 9/28** (2006.01); **B08B 15/04** (2006.01); **B65B 55/24** (2006.01)

CPC (source: CN EP RU)
B08B 5/00 (2013.01 - RU); **B08B 5/023** (2013.01 - CN EP); **B08B 9/0813** (2013.01 - CN EP); **B08B 9/283** (2013.01 - CN EP RU); **B08B 9/286** (2013.01 - CN EP RU); **B08B 15/04** (2013.01 - CN EP); **B65B 55/24** (2013.01 - CN EP); B08B 5/02 (2013.01 - RU); B08B 6/00 (2013.01 - RU); B08B 9/28 (2013.01 - RU); B08B 9/30 (2013.01 - RU)

Cited by
WO2024052873A1

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 2013138231 A1 20130919; AU 2013232373 A1 20140918; AU 2013232373 B2 20151126; AU 2013232373 C1 20180927; AU 2016200925 A1 20160303; AU 2016200925 B2 20180322; CA 2865897 A1 20130919; CA 2865897 C 20190326; CN 104254404 A 20141231; CN 104254404 B 20170510; EP 2825323 A1 20150121; EP 2825323 A4 20160316; EP 2825323 B1 20180829; EP 3427849 A1 20190116; ES 2698502 T3 20190205; JP 2015509846 A 20150402; JP 6498113 B2 20190410; MX 2014010793 A 20141014; MX 347058 B 20170410; MX 358920 B 20180907; MX 362426 B 20190117; RU 2014141070 A 20160510; RU 2606984 C2 20170110

DOCDB simple family (application)
US 2013030171 W 20130311; AU 2013232373 A 20130311; AU 2016200925 A 20160212; CA 2865897 A 20130311; CN 201380019628 A 20130311; EP 13761545 A 20130311; EP 18189552 A 20130311; ES 13761545 T 20130311; JP 2015500491 A 20130311; MX 2014010793 A 20130311; MX 2017004575 A 20130311; MX 2017016287 A 20130311; RU 2014141070 A 20130311