

Title (en)

A system for treating a detergent solution in a washing or rinsing plant for containers and a method for managing the operation thereof

Title (de)

System zum Behandeln einer Waschmittellösung in einer Wasch- oder Spülanlage für Behälter und Verfahren zum Verwalten des Betriebs davon

Title (fr)

Système de traitement d'une solution de détergent dans une installation de lavage ou de rinçage pour contenants et procédé pour gérer le fonctionnement de celui-ci

Publication

EP 2604350 A1 20130619 (EN)

Application

EP 12197347 A 20121214

Priority

IT TO20111151 A 20111214

Abstract (en)

The invention relates to a system (1) for treating the detergent solution used in a washing or rinsing plant for containers, the system comprising first and second treatment means of the detergent solution; first and second means (31L, 32L) for detecting and transmitting a first quantity relative to the flow of detergent solution to be treated, respectively upstream and downstream of said first treatment means (3); first and second means for detecting and transmitting a second quantity relative to the flow of detergent solution to be treated, upstream and downstream of the second treatment means (4); a control unit (U) programmed to manage the activation of the treatment system (1) and the starting of the operations of washing and recovery of the filtering functionality of said first and second treatment means (3, 4) as a function of the measured values of the quantities relative to the flow of solution to be treated.

IPC 8 full level

B08B 3/14 (2006.01)

CPC (source: EP)

B08B 3/14 (2013.01)

Citation (search report)

- [A] EP 1775033 A2 20070418 - EASYLAC GMBH [DE]
- [A] GB 2471222 A 20101222 - IND CO LTD [JP], et al
- [A] US 5931174 A 19990803 - SALAS PAUL [US], et al
- [A] US 2006219269 A1 20061005 - RICE ROBERT M [US], et al

Cited by

CN104562165A; CN104548747A; EP3663009A1; IT201800010811A1; US11648592B2; US11358077B2

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)

EP 2604350 A1 20130619; EP 2604350 B1 20140723; BR 102012031990 A2 20140311; BR 102012031990 B1 20200407;
CN 103157324 A 20130619; CN 103157324 B 20170301; MX 2012014587 A 20130614

DOCDB simple family (application)

EP 12197347 A 20121214; BR 102012031990 A 20121214; CN 201210545171 A 20121214; MX 2012014587 A 20121213