

Title (en)

A DISPENSING SYSTEM FOR DISPENSING A SOLID SUBSTANCE BEING CONDUCTIVE IN SOLUTION AND AN ACCORDING METHOD

Title (de)

AUSGABESYSTEM ZUR AUSGABE EINER FESTEN SUBSTANZ MIT LEITFÄHIGKEIT IN EINER LÖSUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)

SYSTÈME DE DISTRIBUTION D'UNE SUBSTANCE SOLIDE CONDUCTRICE DANS UNE SOLUTION ET PROCÉDÉ CORRESPONDANT

Publication

EP 3298946 A1 20180328 (EN)

Application

EP 17191892 A 20101220

Priority

- EP 17191892 A 20101220
- EP 10793267 A 20101220
- EP 2010070296 W 20101220

Abstract (en)

1. A method for dispensing a soluble but solid substance (20), comprising the steps of: - providing a dispensing system (10), - placing the solid substance (20) or a capsule (16, 18) containing the solid substance (20) into a first container (12) and a second container (14) of the dispensing system (10), - spraying the first container (12) and/ or the second container (14) with water from a water supply (28) such that an amount of the solid substance (20) dissolves and a thus resulting solution (34) flows into a solution reservoir (36), - measuring the conductivity of the solution (34) inside the solution reservoir (36), - continuously or discontinuously spraying the first container (12) and/or the second container (14) and measuring the conductivity of the solution (34) inside the solution reservoir (36), - discharging at least a portion of the solution (34) via at least a first discharge line (42), - replacing the solid substance (20) or the capsule (16, 18) containing the solid substance (20) in the first container (12) and/or the second container (14) after the solid substance (20) in the first container (12) and/or the second container (14) is completely dissolved.

IPC 8 full level

A47L 15/44 (2006.01); **D06F 33/37** (2020.01)

CPC (source: EP US)

A47L 15/0055 (2013.01 - EP); **A47L 15/4436** (2013.01 - EP US); **B01F 21/22** (2022.01 - EP); **B01F 21/30** (2022.01 - EP); **B01F 25/25** (2022.01 - EP); **B01F 25/50** (2022.01 - EP); **B01F 35/2133** (2022.01 - EP); **D06F 33/37** (2020.02 - EP US); **D06F 39/02** (2013.01 - EP US); **A47L 2401/30** (2013.01 - EP); **A47L 2501/03** (2013.01 - EP); **A47L 2501/07** (2013.01 - EP); **A47L 2501/36** (2013.01 - EP); **D06F 2103/18** (2020.02 - EP US); **D06F 2103/20** (2020.02 - EP US); **D06F 2105/42** (2020.02 - EP US)

Citation (applicant)

WO 2008077437 A1 20080703 - ECOLAB INC [US], et al

Citation (search report)

- [XA] WO 2006037354 A1 20060413 - ECOLAB INC [US], et al
- [A] US 6240953 B1 20010605 - LAUGHLIN TIMOTHY E [US], et al
- [A] DE 8710373 U1 19870917

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 2012084005 A1 20120628; EP 2654546 A1 20131030; EP 2654546 B1 20170920; EP 2777473 A1 20140917; EP 2777473 B1 20160928; EP 3298946 A1 20180328; ES 2606056 T3 20170317; ES 2651300 T3 20180125

DOCDB simple family (application)

EP 2010070296 W 20101220; EP 10793267 A 20101220; EP 14167677 A 20101220; EP 17191892 A 20101220; ES 10793267 T 20101220; ES 14167677 T 20101220