

Title (en)

Stirring and cleaning device for liquid containers and method for same

Title (de)

Rühr- und Reinigungsvorrichtung für Flüssigkeitsbehälter und Verfahren dazu

Title (fr)

Dispositif de malaxage et de nettoyage pour récipients à liquide et procédé correspondant

Publication

EP 2319614 A3 20120411 (DE)

Application

EP 10401088 A 20100624

Priority

DE 102009026032 A 20090625

Abstract (en)

[origin: DE102009026032A1] The method involves pressurizing outlet openings (13) within a reservoir for stirring with reservoir fluid (3) or for cleaning with cleaning and/or rinsing fluid. The reservoir fluid or the cleaning and/or rinsing fluid is produced within the reservoir. A tube (11) is rotated around a rotation axis (x) between two supports (24) based on filling level height (h), where the tube is rotatably supported between the two supports. The outlet openings are arranged on an outer surface (12) of the tube. The supports are changed to the height during stirring or cleaning. An independent claim is also included for a stirring and cleaning device for a reservoir, comprising a tube.

IPC 8 full level

B01F 5/02 (2006.01); **B01F 5/10** (2006.01); **B01F 15/00** (2006.01); **B08B 9/093** (2006.01)

CPC (source: EP)

B01F 23/024 (2022.01); **B01F 25/212** (2022.01); **B01F 25/2121** (2022.01); **B01F 25/50** (2022.01); **B01F 35/20** (2022.01); **B01F 35/2112** (2022.01); **B08B 9/093** (2013.01); **B08B 9/0936** (2013.01)

Citation (search report)

- [XAYI] US 3407121 A 19681022 - LE SEELLEUR LOUIS A, et al
- [XAI] US 3101730 A 19630827 - HARRIS WILLIAM E, et al
- [XAI] US 2005281131 A1 20051222 - YUNGBLUT JOHN D [CA]
- [XAI] DE 29905682 U1 19990610 - LAEMPE JOACHIM [DE]
- [Y] WO 03009945 A1 20030206 - WAGNER J AG [CH], et al
- [A] FR 2498082 A1 19820723 - EVRARD ETS [FR]

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

DE 102009026032 A1 20110105; DK 2319614 T3 20140331; EP 2319614 A2 20110511; EP 2319614 A3 20120411; EP 2319614 B1 20140108; PL 2319614 T3 20140731

DOCDB simple family (application)

DE 102009026032 A 20090625; DK 10401088 T 20100624; EP 10401088 A 20100624; PL 10401088 T 20100624