

Title (en)
ADJUSTABLE ADDITIVE DELIVERY SYSTEMS AND METHODS

Title (de)
SYSTEME UND VERFAHREN ZUR ANPASSBAREN ADDITIVABGABE

Title (fr)
SYSTÈMES ET PROCÉDÉS D'ADMINISTRATION D'ADDITIF RÉGLABLE

Publication
EP 3422911 A4 20190807 (EN)

Application
EP 17760997 A 20170306

Priority

- US 201662303376 P 20160304
- US 201662363177 P 20160715
- US 2017021016 W 20170306

Abstract (en)
[origin: WO2017152192A1] An additive delivery system may incorporate a cartridge system, including a container cap and a reservoir assembly that provides for storage of an additive. The container cap includes a mixing nozzle for mixing of the additive with a base fluid as the base fluid flows from the base fluid container through the cartridge. A one-way valve prevents backflow of base fluid and/or mixed base fluid/additive from an area downstream of the mixing nozzle such that the base fluid supply remains in a pure state.

IPC 8 full level
A47J 31/40 (2006.01); **A47J 43/27** (2006.01); **B01D 29/23** (2006.01); **B65D 41/26** (2006.01); **B65D 85/804** (2006.01); **C02F 1/18** (2006.01)

CPC (source: CN EP)
A47J 31/401 (2013.01 - CN); **A47J 43/27** (2013.01 - CN EP); **B65D 47/061** (2013.01 - CN); **B65D 47/261** (2013.01 - CN); **B65D 51/2857** (2013.01 - CN); **B65D 85/804** (2013.01 - CN)

Citation (search report)

- [XP] WO 2016081925 A1 20160526 - SAMSARA BOTTLE SYSTEM INC [US], et al
- [X] WO 0100521 A1 20010104 - DUMONT CHARLES [US]
- See references of WO 2017152192A1

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 2017152192 A1 20170908; AU 2017228456 A1 20180830; AU 2017228456 B2 20230202; AU 2023202648 A1 20230518; CA 3015532 A1 20170908; CN 109310231 A 20190205; CN 109310231 B 20220308; CN 114794870 A 20220729; EP 3422911 A1 20190109; EP 3422911 A4 20190807; JP 2019515844 A 20190613; JP 2022043189 A 20220315; JP 2023179640 A 20231219; JP 6998882 B2 20220118; MX 2018010668 A 20190114

DOCDB simple family (application)
US 2017021016 W 20170306; AU 2017228456 A 20170306; AU 2023202648 A 20230501; CA 3015532 A 20170306; CN 201780013261 A 20170306; CN 202210136454 A 20170306; EP 17760997 A 20170306; JP 2018545355 A 20170306; JP 2021206980 A 20211221; JP 2023175019 A 20231010; MX 2018010668 A 20170306