

Title (en)
FLUID DISPENSER WITH ONE-USE PUMP

Title (de)
FLÜSSIGKEITSSPENDER MIT PUMPE ZUM EINMALIGEN GEBRAUCH

Title (fr)
DISTRIBUTEUR DE FLUIDE AVEC POMPE À USAGE UNIQUE

Publication
EP 3081312 B1 20210317 (EN)

Application
EP 15164004 A 20150417

Priority
EP 15164004 A 20150417

Abstract (en)
[origin: EP3081312A1] A fluid dispenser is disclosed, including a reservoir containing fluid to be dispensed; a replaceable pump assembly comprising a pump and a dip tube removably coupled together; and a locking member coupled to the dip tube. While in a pumping configuration, with the dip tube inserted into the reservoir, the pump is operable to draw the fluid from the reservoir through the dip tube and dispense the fluid from a pump outlet. The locking member is configured to engage with the reservoir to prevent the dip tube from being extracted from the reservoir. If a sufficient force is applied attempting to move the pump away from the dip tube, with the dip tube locked within the reservoir, the pump and the dip tube are configured to separate and assume an uncoupled condition. The construction prevents the pump assembly from being reused, to reduce the risk of contamination.

IPC 8 full level
B05B 11/00 (2006.01); **A47K 5/12** (2006.01); **B05B 15/30** (2018.01)

CPC (source: EP US)
A47K 5/1205 (2013.01 - EP); **A47K 5/1207** (2013.01 - EP); **B05B 11/1047** (2023.01 - EP); **B05B 15/30** (2018.01 - EP US); **B05B 11/1014** (2023.01 - EP); **B05B 11/1057** (2023.01 - EP)

Cited by
EP3650128A1; EP4019147A1; WO2023200629A1; WO2023091332A1; WO2019133464A1; WO2019133317A1; CN111526767A; AU2018397599B2; US10675646B2; US10974267B2; US11033920B2

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)
EP 3081312 A1 20161019; EP 3081312 B1 20210317

DOCDB simple family (application)
EP 15164004 A 20150417