

Title (en)
LIQUID DISPENSER

Title (de)
FLÜSSIGKEITSSPENDER

Title (fr)
DISTRIBUTEUR DE PRODUIT FLUIDE

Publication
EP 2916964 A1 20150916 (FR)

Application
EP 13818257 A 20131104

Priority
• FR 1260513 A 20121106
• FR 2013052620 W 20131104

Abstract (en)
[origin: US2014124538A1] A fluid dispenser including a casing having a mounting mechanism (2), a connection mechanism (3), and a cylinder (4) with an insertion-and-removal opening (48) defining an axis X; a dispenser member (5) received in the mounting mechanism (2); and a fluid reservoir (6). The reservoir (6) includes a bottom wall (61) accessible at the insertion-and-removal opening (48). The connection mechanism (3) has a reception collar (7), the reception collar (7) guided in axial movement in the cylinder (4) along the axis X against the action of a spring (9). The connection mechanism (3) includes a ring (8) arranged between the reception collar (7) and the spring (9), the ring (8) engaging both the cylinder (4) and the reception collar (7) and responsive to pressure applied against the bottom wall (61) of the reservoir (6), by switching between a locked position and a free position.

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/0008 (2013.01 - US); **B05B 11/0038** (2018.07 - EP); **B05B 11/0054** (2013.01 - EP US); **B05B 11/1043** (2023.01 - US); **B05B 11/1047** (2023.01 - EP); **B65D 83/384** (2013.01 - EP US)

Citation (search report)
See references of WO 2014072623A1

Cited by
EP4122606A4; FR3122650A1; WO2022238648A1; FR3122651A1; WO2022238647A1; WO2021187718A1

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)
US 2014124538 A1 20140508; US 9044768 B2 20150602; BR 112015009890 A2 20170711; BR 112015009890 B1 20201124; CN 104768656 A 20150708; CN 104768656 B 20170315; EP 2916964 A1 20150916; EP 2916964 B1 20170104; ES 2613577 T3 20170524; FR 2997640 A1 20140509; FR 2997640 B1 20150102; WO 2014072623 A1 20140515

DOCDB simple family (application)
US 201314067243 A 20131030; BR 112015009890 A 20131104; CN 201380057924 A 20131104; EP 13818257 A 20131104; ES 13818257 T 20131104; FR 1260513 A 20121106; FR 2013052620 W 20131104