

Title (en)
DEVICE FOR DISPENSING A FLUID PRODUCT

Title (de)
VORRICHTUNG ZUM VERTEILEN VON FLÜSSIGKEITEN

Title (fr)
DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE

Publication
EP 2331267 A1 20110615 (FR)

Application
EP 09741354 A 20090901

Priority
• FR 2009051656 W 20090901
• FR 0855944 A 20080904

Abstract (en)
[origin: WO2010026338A1] Device for dispensing a fluid product comprising: a fluid-product dispensing orifice (31), a pressurized-air pipe (32, 51, 52) comprising a downstream end opening near the orifice (31) and an upstream end, an air flushing system (4), able to undergo phases of elastic compression and expansion, the air flushing system (4) being connected to the air pipe (32, 51, 52) to supply an air flow through the air pipe as far as the orifice (31) during elastic compression phases, a fluid-product duct (25, 33) connected to the air pipe (32, 51, 52), the fluid product in the duct (25, 33) being drawn up by a venturi effect by the flow of pressurized air, characterized in that the air flushing system (4) has just one opening (43) fitted with a connecting sleeve (5) comprising an incoming-air passage (53) provided with an air intake valve (56; 56b; 56c; 56d) able to allow external air to enter the air flushing system during the phases of elastic expansion.

IPC 8 full level
B05B 11/00 (2006.01); **B05B 11/06** (2006.01)

CPC (source: EP US)
B05B 11/0064 (2013.01 - EP US); **B05B 11/007** (2013.01 - EP US); **B05B 11/061** (2013.01 - EP US); **B05B 11/1049** (2023.01 - EP US);
B65D 83/66 (2013.01 - US)

Citation (search report)
See references of WO 2010026338A1

Designated contracting state (EPC)
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)
AL BA RS

DOCDB simple family (publication)
FR 2935362 A1 20100305; FR 2935362 B1 20100910; BR PI0918597 A2 20151201; BR PI0918597 A8 20180403; BR PI0918597 B1 20200128; CN 102143803 A 20110803; CN 102143803 B 20131030; EP 2331267 A1 20110615; EP 2331267 B1 20161109; ES 2611584 T3 20170509; JP 2012501825 A 20120126; JP 5687623 B2 20150318; US 2011186651 A1 20110804; US 2015239646 A1 20150827; US 9061306 B2 20150623; US 9592949 B2 20170314; WO 2010026338 A1 20100311

DOCDB simple family (application)
FR 0855944 A 20080904; BR PI0918597 A 20090901; CN 200980134460 A 20090901; EP 09741354 A 20090901; ES 09741354 T 20090901; FR 2009051656 W 20090901; JP 2011525595 A 20090901; US 200913061665 A 20090901; US 201514710034 A 20150512