

Title (en)
SMART LIQUID DELIVERY NOZZLE ASSEMBLY

Title (de)
INTELLIGENTE ZAPFPISTOLENANLAGE

Title (fr)
ENSEMBLE INTELLIGENT BUSE DE DISTRIBUTION DE LIQUIDE

Publication
EP 2358629 B1 20150506 (EN)

Application
EP 09737126 A 20091006

Priority
• GB 2009051322 W 20091006
• GB 0818248 A 20081006

Abstract (en)
[origin: WO2010041057A2] A nozzle assembly operable to deliver fluid to a tank to be filled and to sense a level of fluid in the tank, the assembly having a fluid outlet and a sensor portion, the sensor portion comprising a pressure sensor provided in fluid communication with a sensor conduit, the sensor conduit having a sensor conduit aperture provided therein, the assembly being operable in use whereby when a level of liquid in the tank being filled rises above a level of the sensor conduit aperture, the sensor conduit aperture is closed by the liquid and a pressure of gas trapped in the sensor conduit increases thereby indicating a "tank full" condition, the assembly being arranged to detect the increase in pressure of gas and to generate a pressure increase signal indicative of the increase in pressure when the increase in pressure is detected.

IPC 8 full level
B67D 7/14 (2010.01); **B67D 7/42** (2010.01); **B67D 7/46** (2010.01)

CPC (source: EP US)
B67D 7/145 (2013.01 - EP US); **B67D 7/425** (2013.01 - EP US); **B67D 7/46** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2010041057 A2 20100415; **WO 2010041057 A3 20100701**; DK 2358629 T3 20150706; EP 2358629 A2 20110824;
EP 2358629 B1 20150506; GB 0818248 D0 20081112; US 2011192494 A1 20110811

DOCDB simple family (application)
GB 2009051322 W 20091006; DK 09737126 T 20091006; EP 09737126 A 20091006; GB 0818248 A 20081006; US 200913122882 A 20091006