

Title (en)

DEVICE FOR DETECTING THE LEVEL OF A LIQUID CONTAINED IN A CONTAINER

Title (de)

VORRICHTUNG ZUM ERMITTELN DES FÜLLSTANDES EINER FLÜSSIGKEIT IN EINEM BEHÄLTER

Title (fr)

DISPOSITIF DE DETECTION DE NIVEAU D'UN LIQUIDE CONTENU DANS UNE ENCEINTE

Publication

**EP 2867632 A1 20150506 (FR)**

Application

**EP 13744632 A 20130626**

Priority

- FR 1256105 A 20120627
- FR 2013051488 W 20130626

Abstract (en)

[origin: WO2014001714A1] The invention relates to a device for detecting the level of a liquid (1) contained in a container (2) comprising: - a means for detecting the level of the liquid (3); - a temperature sensor (4) comprising an optical fibre (41) comprising a plurality of Bragg gratings (411) distributed along the length of the optical fibre (41), said sensor (4) comprising means for determining the temperature of the liquid measured by the optical fibre (41) in a plurality of areas (412), each area (412) being located close to each of said Bragg gratings (411); and - an analysis means for determining the level of the liquid contained in the container from the temperature measured by the optical fibre in a plurality of areas (412).

IPC 8 full level

**G01F 23/16** (2006.01); **G01F 23/24** (2006.01); **G21C 17/035** (2006.01); **G21C 19/07** (2006.01)

CPC (source: EP)

**G01F 23/165** (2013.01); **G01F 23/246** (2013.01); **G21C 17/035** (2013.01); **G21C 19/07** (2013.01); **Y02E 30/30** (2013.01)

Citation (search report)

See references of WO 2014001714A1

Citation (examination)

- JP 2012047757 A 20120308 - TOSHIBA CORP
- JP H03215714 A 19910920 - TOSHIBA CORP

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)

**FR 2992718 A1 20140103**; **FR 2992718 B1 20140718**; EP 2867632 A1 20150506; JP 2015522816 A 20150806; WO 2014001714 A1 20140103

DOCDB simple family (application)

**FR 1256105 A 20120627**; EP 13744632 A 20130626; FR 2013051488 W 20130626; JP 2015519294 A 20130626