

Title (en)

FLUIDIC CARD COMPRISING A FLUID STORAGE TANK AND A HYPER-ELASTIC MEMBRANE

Title (de)

FLUIDKARTE MIT EINEM FLUIDSPEICHERBEHÄLTER UND HYPERELASTISCHE MEMBRAN

Title (fr)

CARTE FLUIDIQUE COMPORTANT UN RÉSERVOIR DE STOCKAGE D'UN FLUIDE ET UNE MEMBRANE HYPER-ÉLASTIQUE

Publication

**EP 3148696 A1 20170405 (FR)**

Application

**EP 15728778 A 20150526**

Priority

- FR 1454789 A 20140527
- EP 2015061591 W 20150526

Abstract (en)

[origin: WO2015181170A1] The main subject matter of the invention is a fluidic card (1) comprising a rigid support (2) in which a storage tank (3) for storing at least one fluid is at least partially formed, the tank (3) comprising an inlet port (4) allowing fluid communication between the tank (3) and a fluid channel of the fluidic card (1), characterised in that the tank (3) comprises an opening (6) that opens at the surface (S) of the rigid support (2), the fluidic card (1) further comprising a membrane (7) made from a hyper-elastic material forming a wall of the tank (3), the membrane (7) being suitable for being reversibly deformed between a storage configuration for storing said at least one fluid, in which the membrane (7) stretches by hyper-elastic deformation, and an idle configuration, and in that the membrane (7) comprises measurement means (8) for measuring the deformation of the membrane (7).

IPC 8 full level

**B01L 3/00** (2006.01)

CPC (source: EP)

**B01L 3/50273** (2013.01); **B01L 3/52** (2013.01); **B01L 2200/146** (2013.01); **B01L 2200/16** (2013.01); **B01L 2300/0645** (2013.01); **B01L 2300/0654** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/123** (2013.01); **B01L 2400/0481** (2013.01); **B01L 2400/0633** (2013.01); **B01L 2400/0683** (2013.01)

Citation (search report)

See references of WO 2015181170A1

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)

**WO 2015181170 A1 20151203**; EP 3148696 A1 20170405; EP 3148696 B1 20180516; FR 3021559 A1 20151204; FR 3021559 B1 20170915

DOCDB simple family (application)

**EP 2015061591 W 20150526**; EP 15728778 A 20150526; FR 1454789 A 20140527