

Title (en)  
DISPOSABLE FLOW CHIP DEVICE

Title (de)  
EINWEG-FLUSS-CHIP-VORRICHTUNG

Title (fr)  
DISPOSITIF DE PUCE D'ÉCOULEMENT JETABLE

Publication  
**EP 3075451 B1 20200513 (EN)**

Application  
**EP 15162040 A 20150331**

Priority  
EP 15162040 A 20150331

Abstract (en)  
[origin: EP3075451A1] The present invention is related to a disposable flow chip device (1) comprising a microfluidic chip (2) comprising two reservoirs (13, 14) being in fluidic communication with a micro-channel (18), with one or more detection zone(s) (23) and with connectors (12), a pump cartridge (3) comprising a pipe (9) being in contact, in use, with one or more roller(s) (27) of an external peristaltic pump (4), and hermetic connectors (10) complementary to the microfluidic chip connectors (12), wherein the pipe (9) is in fluid communication with the reservoirs (13, 14) of the microfluidic chip (2). The invention relates also to a method and an apparatus for detecting and/or quantifying one or more analyte(s) possibly present in a biological sample using the disposable flow chip device (1) according to the invention.

IPC 8 full level  
**B01L 3/00** (2006.01)

CPC (source: EP)  
**B01L 3/502715** (2013.01); **B01L 2200/04** (2013.01); **B01L 2200/141** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2400/0481** (2013.01)

Cited by  
CN107939634A; CN112041070A; WO2020008009A1; BE1026457A1; WO2022062905A1

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

DOCDB simple family (publication)  
**EP 3075451 A1 20161005; EP 3075451 B1 20200513**

DOCDB simple family (application)  
**EP 15162040 A 20150331**