

Title (en)
TEST CARD FOR ASSAY AND METHOD OF MANUFACTURING SAME

Title (de)
TESTKARTE FÜR ASSAY UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
CARTE D'ESSAI POUR ANALYSE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3310484 A4 20190327 (EN)

Application
EP 16815094 A 20160617

Priority
• US 201562182992 P 20150622
• US 201562187471 P 20150701
• US 2016038124 W 20160617

Abstract (en)
[origin: EP4227067A2] Apparatuses and methods related to a point-of-care portable assay device and the use thereof with a test card are described herein. In a general embodiment, a device for monitoring a polymerase chain reaction in a fluid sample includes a vacuum source configured to pull the fluid sample through a microchannel, a current source configured to cause the polymerase chain reaction while the fluid sample is located within the microchannel, a light source configured to illuminate the polymerase chain reaction while the current source causes the polymerase chain reaction, a camera imaging device configured to record an image of the polymerase chain reaction while the light source illuminates the polymerase chain reaction, and a controller configured to analyze the image of the polymerase chain reaction and output a resulting analysis of the polymerase chain reaction.

IPC 8 full level
B01L 3/00 (2006.01); **B01L 7/00** (2006.01); **B81B 1/00** (2006.01); **G01N 21/64** (2006.01)

CPC (source: EP US)
B01L 3/5027 (2013.01 - EP US); **B01L 3/502707** (2013.01 - EP); **B01L 3/502715** (2013.01 - EP); **B01L 7/52** (2013.01 - EP); **C12Q 1/686** (2013.01 - US); **C12Q 1/689** (2013.01 - US); **C12Q 1/701** (2013.01 - US); **G01N 21/6428** (2013.01 - US); **G01N 35/00029** (2013.01 - EP); **G01N 35/00732** (2013.01 - EP); **G06T 7/0012** (2013.01 - EP US); **G06T 7/0016** (2013.01 - EP); **B01L 2200/04** (2013.01 - EP); **B01L 2200/0684** (2013.01 - EP); **B01L 2200/0689** (2013.01 - EP); **B01L 2300/0645** (2013.01 - EP); **B01L 2300/0654** (2013.01 - US); **B01L 2300/0816** (2013.01 - EP); **B01L 2300/0867** (2013.01 - EP); **B01L 2300/0887** (2013.01 - EP); **B01L 2300/161** (2013.01 - EP); **B01L 2300/18** (2013.01 - US); **B01L 2400/049** (2013.01 - EP); **G01N 21/6456** (2013.01 - EP); **G01N 2021/6439** (2013.01 - US); **G01N 2035/00148** (2013.01 - EP); **G01N 2035/00158** (2013.01 - EP); **G06T 2207/10016** (2013.01 - EP US); **G06T 2207/10024** (2013.01 - EP); **G06T 2207/10064** (2013.01 - EP); **G06T 2207/20021** (2013.01 - EP); **G06T 2207/30072** (2013.01 - EP US)

Citation (search report)
• [Xl] US 2011162439 A1 20110707 - AYLIFFE HAROLD E [US]
• [Xl] US 2011139274 A1 20110616 - KENNEDY COLIN B [US], et al
• See also references of WO 2016209731A1

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 4227067 A2 20230816; **EP 4227067 A3 20240110**; EP 3310484 A1 20180425; EP 3310484 A4 20190327; EP 3310899 A1 20180425; EP 3310899 A4 20190116; EP 3310899 B1 20220525; EP 3310935 A1 20180425; EP 3310935 A4 20190410; EP 3310935 B1 20231206; EP 3310935 C0 20231206; EP 4276445 A2 20231115; EP 4276445 A3 20240515; ES 2925724 T3 20221019; ES 2966968 T3 20240425

DOCDB simple family (application)
EP 23161706 A 20160617; EP 16815094 A 20160617; EP 16815096 A 20160617; EP 16815097 A 20160617; EP 23162636 A 20160617; ES 16815096 T 20160617; ES 16815097 T 20160617