

Title (en)
THERMAL REACTION DEVICE AND METHOD FOR USING THE SAME

Title (de)
WÄRMEREAKTIONSVORRICHTUNG UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)
DISPOSITIF DE RÉACTION THERMIQUE ET SON PROCÉDÉ D'UTILISATION

Publication
EP 1861512 A4 20091209 (EN)

Application
EP 06739049 A 20060320

Priority
• US 2006010103 W 20060320
• US 8435705 A 20050318
• US 74996305 P 20051212

Abstract (en)
[origin: WO2006102264A1] Devices and methods for performing the relative concentration of a target in a sample, the sample containing both target and non-target components, the method performed by partitioning the sample into a large number of reaction volumes such that the target is concentrated relative to the non-target, and performing a detection assay upon each reaction volume to detect the target.

IPC 8 full level
C07H 21/04 (2006.01); **C12P 19/34** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)
B01L 3/5025 (2013.01); **B01L 3/502715** (2013.01); **B01L 3/502738** (2013.01); **C12Q 1/6818** (2013.01); **B01L 7/52** (2013.01); **B01L 2200/0684** (2013.01); **B01L 2200/142** (2013.01); **B01L 2200/147** (2013.01); **B01L 2300/0819** (2013.01); **B01L 2300/123** (2013.01); **B01L 2300/1805** (2013.01); **B01L 2400/0655** (2013.01)

Citation (search report)
• [XY] WO 2004089810 A2 20041021 - FLUIDIGM CORP [US], et al
• [PX] US 2005252773 A1 20051117 - MCBRIDE LINCOLN [US], et al
• [Y] POHL GUDRUN ET AL: "Principle and applications of digital PCR", EXPERT REVIEW OF MOLECULAR DIAGNOSTICS, FUTURE DRUGS, LONDON, GB, vol. 4, no. 1, 1 January 2004 (2004-01-01), pages 41 - 47, XP009109051, ISSN: 1473-7159
• [Y] WANG YUN ET AL: "Microarrays assembled in microfluidic chips fabricated from poly(methyl methacrylate) for the detection of low-abundant DNA mutations.", ANALYTICAL CHEMISTRY 1 MAR 2003, vol. 75, no. 5, 1 March 2003 (2003-03-01), pages 1130 - 1140, XP002550110, ISSN: 0003-2700
• [Y] WABUYELE MUSUNDI B ET AL: "Approaching real-time molecular diagnostics: single-pair fluorescence resonance energy transfer (spFRET) detection for the analysis of low abundant point mutations in K-ras oncogenes.", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 11 JUN 2003, vol. 125, no. 23, 11 June 2003 (2003-06-11), pages 6937 - 6945, XP002550111, ISSN: 0002-7863
• [PX] OEHLER VIVIAN G ET AL: "Absolute quantitative detection of Abl tyrosine kinase domain mutations using a novel microfluidic platform and allele-specific PCR", BLOOD 16 NOV 2005, vol. 106, no. 11, 16 November 2005 (2005-11-16), pages ABSTRACT 2859, XP002550112, ISSN: 0006-4971, Retrieved from the Internet <URL:http://abstracts.hematologylibrary.org/cgi/content/abstract/106/11/2859?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=absolute+quantitative+tyrosine+kinase&searchid=1&FIRSTINDEX=0&volume=106&issue=11&resourcetype=HWCIT> [retrieved on 20091012]
• See references of WO 2006102264A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006102264 A1 20060928; EP 1861512 A1 20071205; EP 1861512 A4 20091209; EP 2371453 A1 20111005; EP 2518161 A1 20121031

DOCDB simple family (application)
US 2006010103 W 20060320; EP 06739049 A 20060320; EP 10197437 A 20060320; EP 12160084 A 20060320