

Title (en)  
THERMAL CYCLING SYSTEM

Title (de)  
THERMISCHES WECHSELBEANSPRUCHUNGSSYSTEM

Title (fr)  
SYSTEME DE CYCLAGE THERMIQUE

Publication  
**EP 2027251 A2 20090225 (EN)**

Application  
**EP 07783905 A 20070517**

Priority

- US 2007069197 W 20070517
- US 87317206 P 20061206
- US 87308406 P 20061206
- US 80117806 P 20060517
- US 83249206 P 20060721

Abstract (en)  
[origin: WO2008070198A2] This invention provides a system for performing PCR, and real time PCR in particular, with great speed and specificity. The system employs a heat block containing a liquid composition to rapidly transfer heat to and from reaction vessels. The system makes use of the reflective properties of the liquid metal to reflect signal from the PCR into the vessel and out the top. In this way, the signal can be measured by an optical assembly in real time without removing the vessels from the heat block.

IPC 8 full level  
**C12Q 1/68** (2006.01); **C12Q 1/10** (2006.01)

CPC (source: EP)  
**B01L 3/508** (2013.01); **B01L 7/52** (2013.01); **G01N 21/645** (2013.01); **B01L 7/02** (2013.01); **B01L 7/525** (2013.01); **B01L 2300/0809** (2013.01); **B01L 2300/0832** (2013.01); **B01L 2300/168** (2013.01); **B01L 2300/1822** (2013.01); **B01L 2300/1827** (2013.01); **B01L 2300/185** (2013.01)

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008070198 A2 20080612**; **WO 2008070198 A3 20090416**; **WO 2008070198 A8 20081224**; EP 2027251 A2 20090225; EP 2027251 A4 20100505; EP 2535427 A2 20121219; EP 2535427 A3 20130424; JP 2009537152 A 20091029

DOCDB simple family (application)  
**US 2007069197 W 20070517**; EP 07783905 A 20070517; EP 12178744 A 20070517; JP 2009511244 A 20070517