

Title (en)  
Device for thermo-dependent chain reaction amplification of target nucleic acid sequences

Title (de)  
Vorrichtung zur PCR-Amplifizierung von Ziel-DNA-Sequenzen

Title (fr)  
Dispositif pour l'amplification en chaîne thermo-dépendante de séquences d'acides nucléiques cibles

Publication  
**EP 2269738 B1 20120829 (FR)**

Application  
**EP 10177401 A 20010720**

Priority  
• EP 01956628 A 20010720  
• FR 0010029 A 20000728

Abstract (en)  
[origin: EP2269738A1] A heating plate(s) for a polymerase chain amplification (PCA) system comprising three distinct zones operating at different temperatures corresponding to the three cycles of the PCA, is new. Independent claims are included for the following: (1) a polymerase chain amplification (PCA) system has plate(s) with reaction chambers and heating plate(s) as above.; (2) PCA using the above system where the plate has reservoir(s) for filling with a fluid including DNA samples and supplying this fluid to the chambers in the plate that have already been given markers for specific DNA sequences, where the plate is moved relative to the heating plate according to the cycle of the PCA.

IPC 8 full level  
**B01L 7/00** (2006.01); **G01N 33/53** (2006.01); **B01J 4/02** (2006.01); **B01J 19/00** (2006.01); **B01L 3/00** (2006.01); **C12M 1/00** (2006.01); **G01N 21/77** (2006.01); **G01N 21/78** (2006.01); **G01N 33/566** (2006.01); **G01N 35/00** (2006.01)

CPC (source: EP US)  
**B01L 3/5025** (2013.01 - EP US); **B01L 3/5027** (2013.01 - EP US); **B01L 3/502715** (2013.01 - EP US); **B01L 3/50273** (2013.01 - EP US); **B01L 7/52** (2013.01 - EP US); **B01L 7/5255** (2013.01 - EP US); **B01L 7/54** (2013.01 - EP US); **B01L 2300/0803** (2013.01 - EP US); **B01L 2300/0809** (2013.01 - EP US); **B01L 2300/0864** (2013.01 - EP US); **B01L 2300/1805** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP US); **B01L 2400/049** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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