

Title (en)  
CLOSED-LOOP BIOCHEMICAL ANALYZERS

Title (de)  
BIOCHEMISCHE ANALYSATOREN, DIE ALS GESCHLOSSENES SYSTEM ARBEITEN

Title (fr)  
ANALYSEURS BIOCHIMIQUES FONCTIONNANT EN BOUCLE FERMEE

Publication  
**EP 0972082 A1 20000119 (EN)**

Application  
**EP 98914498 A 19980403**

Priority  
• US 9806723 W 19980403  
• US 83510197 A 19970404  
• US 6831197 P 19971219

Abstract (en)  
[origin: WO9845481A1] Integrated systems, apparatus, software, and methods for performing biochemical analysis, including DNA sequencing, genomic screening, purification of nucleic acids and other biological components and drug screening are provided. Microfluidic devices, systems and methods for using these devices and systems for performing a wide variety of fluid operations are provided. The devices and systems are used in performing fluid operations which require a large number of iterative, successive or parallel fluid manipulations, in a microscale, or sealed and readily automated format.

IPC 1-7  
**C12Q 1/68**; **C12P 19/34**; **C12N 11/04**; **C12N 15/00**; **C12M 1/00**; **G01N 15/06**; **G01N 21/00**; **C07H 21/02**; **C07H 21/04**

IPC 8 full level  
**B01L 3/00** (2006.01); **B01L 3/02** (2006.01); **C07H 21/04** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12P 19/34** (2006.01); **C12Q 1/68** (2006.01); **G01N 21/64** (2006.01); **G01N 27/447** (2006.01); **G01N 33/50** (2006.01); **B01L 7/00** (2006.01); **G01N 35/10** (2006.01)

CPC (source: EP US)  
**B01L 3/0262** (2013.01 - EP US); **B01L 3/502715** (2013.01 - EP); **B01L 3/502784** (2013.01 - EP); **C12Q 1/6869** (2013.01 - EP); **G01N 21/6428** (2013.01 - EP); **G01N 27/44791** (2013.01 - EP); **B01F 33/30** (2022.01 - EP); **B01L 3/502753** (2013.01 - EP); **B01L 7/52** (2013.01 - EP); **B01L 2200/027** (2013.01 - EP); **B01L 2200/0605** (2013.01 - EP); **B01L 2200/0673** (2013.01 - EP); **B01L 2200/10** (2013.01 - EP); **B01L 2300/0636** (2013.01 - EP); **B01L 2300/0816** (2013.01 - EP); **B01L 2300/0838** (2013.01 - EP); **B01L 2300/0864** (2013.01 - EP); **B01L 2300/0867** (2013.01 - EP); **B01L 2300/18** (2013.01 - EP); **B01L 2300/1833** (2013.01 - EP); **B01L 2400/0415** (2013.01 - EP); **B01L 2400/0418** (2013.01 - EP); **B01L 2400/0421** (2013.01 - EP); **B01L 2400/0487** (2013.01 - EP); **G01N 2035/1053** (2013.01 - EP); **G01N 2035/1058** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9845481 A1 19981015**; AU 6884198 A 19981030; AU 746892 B2 20020502; CA 2284612 A1 19981015; EP 0972082 A1 20000119; EP 0972082 A4 20070425; EP 1959255 A2 20080820; EP 1959255 A3 20080924; JP 2001521622 A 20011106

DOCDB simple family (application)  
**US 9806723 W 19980403**; AU 6884198 A 19980403; CA 2284612 A 19980403; EP 08004220 A 19980403; EP 98914498 A 19980403; JP 54296398 A 19980403