

Title (en)  
DEVICE FOR CARRYING OUT CHEMICAL OR BIOLOGICAL REACTIONS

Title (de)  
VORRICHTUNG ZUR DURCHFÜHRUNG CHEMISCHER ODER BIOLOGISCHER REAKTIONEN

Title (fr)  
DISPOSITIF POUR REALISER DES REACTIONS CHIMIQUES OU BIOLOGIQUES

Publication  
**EP 1216098 B1 20030723 (DE)**

Application  
**EP 00966090 A 20000929**

Priority  
• DE 29917313 U 19991001  
• EP 0009569 W 20000929

Abstract (en)  
[origin: WO0124930A1] The invention relates to a device for carrying out chemical or biological reactions. Said device comprises a reaction vessel-receiving element for receiving a microtiter plate with a plurality of reaction vessels. The reaction vessel-receiving element is provided with a plurality of recesses that are arranged in a regular pattern and that receive the corresponding reaction vessels. The inventive device further comprises a heating element for heating the reaction vessel-receiving unit and a cooling element for cooling the reaction vessel-receiving unit. The inventive device is characterized in that the reaction vessel-receiving element is subdivided into several segments. The individual segments are thermally decoupled from one another. Every segment is provided with a heating element that is controlled independent of the other heating elements.

IPC 1-7  
**B01L 3/00**; **B01L 7/00**

IPC 8 full level  
**F25B 21/02** (2006.01); **B01J 19/00** (2006.01); **B01L 3/00** (2006.01); **B01L 7/00** (2006.01); **B01L 7/04** (2010.01); **C12M 1/00** (2006.01); **C12M 1/38** (2006.01)

CPC (source: EP KR US)  
**B01L 3/00** (2013.01 - KR); **B01L 7/52** (2013.01 - EP US); **B01L 7/54** (2013.01 - EP US); **B01L 2200/147** (2013.01 - EP US); **B01L 2300/0829** (2013.01 - EP US); **B01L 2300/1822** (2013.01 - EP US)

Cited by  
US10512915B2; US8859271B2; US10010887B2; EP2898952A1; JP2007515944A

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

DOCDB simple family (publication)  
**DE 29917313 U1 20010215**; AT E245487 T1 20030815; AU 7660500 A 20010510; AU 774199 B2 20040617; DE 50003023 D1 20030828; EP 1216098 A1 20020626; EP 1216098 B1 20030723; JP 2003511221 A 20030325; KR 100696138 B1 20070320; KR 20020038765 A 20020523; NO 20021340 D0 20020318; NO 20021340 L 20020318; US 2007110634 A1 20070517; US 2007140926 A1 20070621; US 2010120099 A1 20100513; US 2010120100 A1 20100513; US 2012264206 A1 20121018; US 2014030170 A1 20140130; US 7611674 B2 20091103; US 8389288 B2 20130305; US 8721972 B2 20140513; US 9914125 B2 20180313; WO 0124930 A1 20010412

DOCDB simple family (application)  
**DE 29917313 U 19991001**; AT 00966090 T 20000929; AU 7660500 A 20000929; DE 50003023 T 20000929; EP 0009569 W 20000929; EP 00966090 A 20000929; JP 2001527919 A 20000929; KR 20027003719 A 20020316; NO 20021340 A 20020318; US 201213471380 A 20120514; US 201314042069 A 20130930; US 65198507 A 20070111; US 65198607 A 20070111; US 68921210 A 20100118; US 68921410 A 20100118