

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jon CHESNUT</td> <td>12/03/2004</td> </tr> <tr> <td>Louis CHEONG</td> <td>12/03/2004</td> </tr> </tbody> </table>		Name	Execution Date	Jon CHESNUT	12/03/2004	Louis CHEONG	12/03/2004
Name	Execution Date						
Jon CHESNUT	12/03/2004						
Louis CHEONG	12/03/2004						
RECEIVING PARTY DATA							
Name:	INVITROGEN CORPORATION						
Street Address:	1600 Faraday Avenue						
City:	Carlsbad						
State/Country:	CALIFORNIA						
Postal Code:	92008						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13619194</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13619194		
Property Type	Number						
Application Number:	13619194						
CORRESPONDENCE DATA							
Fax Number:	7602688393						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(760)603-7200						
Email:	lifetechdocket@system.foundationip.com						
Correspondent Name:	LIFE TECHNOLOGIES CORPORATION						
Address Line 1:	5791 Van Allen Way						
Address Line 4:	Carlsbad, CALIFORNIA 92008						
ATTORNEY DOCKET NUMBER:	IVGN 454 CON						
NAME OF SUBMITTER:	Peter G. Foiles						
<p>Total Attachments: 4 source=IVGN454CON_ParentAssignment_AsFiled_20121217#page1.tif source=IVGN454CON_ParentAssignment_AsFiled_20121217#page2.tif source=IVGN454CON_ParentAssignment_AsFiled_20121217#page3.tif source=IVGN454CON_ParentAssignment_AsFiled_20121217#page4.tif</p>							

CH \$40.00 13619194

PATENT

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Jon CHESNUT and Louis LEONG, hereby sell and assign to Invitrogen Corporation, a corporation formed under the laws of Delaware, whose mailing address is 1600 Faraday Avenue, Carlsbad, CA 92008 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Nucleic Acid Molecules Containing Recombination Sites and Methods of Using the Same** for which application(s) for patent in the United States of America was filed on December 1, 2004 (also known as United States Application No.: *To Be Assigned*), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.


The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 12/3/04 Signature of Inventor: 
Jon CHESNUT

Date: _____ Signature of Inventor: _____
Louis LEONG

339021_1.DOC

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Jon CHESNUT and Louis LEONG**, hereby sell and assign to **Invitrogen Corporation**, a corporation formed under the laws of Delaware, whose mailing address is 1600 Faraday Avenue, Carlsbad, CA 92008 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

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(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: _____

Signature of Inventor: _____
Jon CHESNUT

Date: 12/03/04

Signature of Inventor: *Louis Leong*
Louis LEONG

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