

## PATENT ASSIGNMENT

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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>Fredric R. BLOOM</td> <td>08/12/1999</td> </tr> <tr> <td>Brian J. Schmidt</td> <td>08/16/1999</td> </tr> <tr> <td>Jhy-Jhu LIN</td> <td>08/18/1999</td> </tr> </tbody> </table>		Name	Execution Date	Fredric R. BLOOM	08/12/1999	Brian J. Schmidt	08/16/1999	Jhy-Jhu LIN	08/18/1999
Name	Execution Date								
Fredric R. BLOOM	08/12/1999								
Brian J. Schmidt	08/16/1999								
Jhy-Jhu LIN	08/18/1999								
RECEIVING PARTY DATA									
Name:	LIFE TECHNOLOGIES, INC.								
Street Address:	9800 Medical Center Drive								
City:	Rockville								
State/Country:	MARYLAND								
Postal Code:	20850								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6709852</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6709852				
Property Type	Number								
Patent Number:	6709852								
CORRESPONDENCE DATA									
Fax Number:	7602688393								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Correspondent Name:	LIFE TECHNOLOGIES CORPORATION								
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NAME OF SUBMITTER:	Peter G. Foiles								
Total Attachments: 1 source=IVGN222_ParentAssignment_AsFiled_20121019#page1.tif									

CH \$40.00 6709852

ASSIGNMENT OF A PROVISIONAL APPLICATION FOR PATENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Fredric R. Bloom, Brian J. Schmidt and Jhy-Jhu Lin, the undersigned hereby sell(s) and assign(s) to Life Technologies, Inc. (the Assignee) their entire right, title and interest, including the right to sue for and collect for all past, present and future damages,

check applicable box(es)

- 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 Rapid Growing Microorganisms for Biotechnology Applications for which a provisional application for patent in the United States of America has been filed on June 22, 1999 (also known as United States Application No. 60/139,889), in any and all non-provisional applications thereon, in any and all Letters Patent(s) granted on such non-provisional applications, and (b) in any and all continuing applications, reissues, extensions, renewals and reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, and (c) in all forms of intellectual and industrial property protection derivable from the above patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals, reexaminations and priority documents of such patent application(s), 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; such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the provisional application for patent and with 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 applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning any non-provisional continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; and Steven R. Ludwig, Registration No. 36,203, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, 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.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: 5/12/99 Signature of Inventor: Fredric R. Bloom
Date: 8/16/99 Signature of Inventor: Brian J. Schmidt
Date: 8/18/99 Signature of Inventor: Jhy-Jhu Lin