

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bryan Julien</td> <td>11/29/1999</td> </tr> <tr> <td>Leonard Katz</td> <td>11/29/1999</td> </tr> <tr> <td>Chaitan Khosla</td> <td>12/03/1999</td> </tr> <tr> <td>Li Tang</td> <td>11/29/1999</td> </tr> <tr> <td>Rainer Ziermann</td> <td>12/08/1999</td> </tr> </tbody> </table>		Name	Execution Date	Bryan Julien	11/29/1999	Leonard Katz	11/29/1999	Chaitan Khosla	12/03/1999	Li Tang	11/29/1999	Rainer Ziermann	12/08/1999
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Kosan Biosciences, Inc.												
<b>Street Address:</b>	3832 Bay Center Place												
<b>City:</b>	Hayward												
<b>State/Country:</b>	CALIFORNIA												
<b>Postal Code:</b>	94545												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11932927</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11932927								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(609)896-1469												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	609-844-3020												
<b>Email:</b>	ipdocket@foxrothschild.com												
<b>Correspondent Name:</b>	Gerard P. Norton												
<b>Address Line 1:</b>	Fox Rothschild LLP												
<b>Address Line 2:</b>	997 Lenox Drive, Bldg. #3												
<b>Address Line 4:</b>	Lawrenceville, NEW JERSEY 08648												
<b>ATTORNEY DOCKET NUMBER:</b>	36707.00010												
<b>NAME OF SUBMITTER:</b>	Gerard P. Norton												

**CH \$40.00 11932927**

Total Attachments: 3

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**ASSIGNMENT  
JOINT**

THIS ASSIGNMENT, by Bryan JULIEN, Leonard KATZ, Chaitan KHOSLA, Li TANG and Rainer ZIERMANN (hereinafter referred to as the assignors), residing at Oakland, California 94619, Hayward, California 94110, Palo Alto, California 94306, Foster City, California 94404 and San Mateo, California 94403, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in **RECOMBINANT METHODS AND MATERIALS FOR PRODUCING EPOTHILONE AND EPOTHILONE DERIVATIVES**, set forth in an application for Letters Patent of the United States, bearing Serial No. \_\_\_\_\_ and filed on November 5, 1999; and

WHEREAS, KOSAN Biosciences, Inc., a corporation duly organized under and pursuant to the laws of California and having its principal place of business at 3832 Bay Center Place, Hayward, California 94545 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

11/29/99  
Date

Bryan Julien  
Bryan JULIEN

11-29-99  
Date  
dc-183533

Leonard Katz  
Leonard KATZ

12.3.99  
Date

*Khosla*  
Chaitan KHOSLA

11-29-99  
Date

*Tang, Li*  
Li TANG

                      
Date

                      
Rainer ZIERMANN

Date

11-29-99

Date

Chaitan KHOSLA

*Tang Li*

LI TANG

12/8/99

Date

*Rainer Ziermann*

Rainer ZIERMANN

dc-183533