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U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

CT/PTO 11 MAR 2008

103491002 _____uccuments or the new address(es) below. To the Director of the U.S. Patent and Name of conveying party(ies) 2. Name and address of receiving party(ies) Kosan Biosciences Incorporated Steven D. Dong Internal Address: Intellectual Property Dept. Daniel V. Santi Additional name(s) of conveying party(ies) attached? ___ Yes 🖊 No Street Address: 3832 Bay Center Place 3. Nature of conveyance/Execution Date(s): Execution Date(s) Feb. 26, 2008, and Feb. 12, 2008 ✓ Assignment Merger Hayward City: ____ ___ Security Agreement Change of Name Joint Research Agreement CA State: Government Interest Assignment Zip: 94545 Country:____ Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes V No 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Docket # 010142.03 Esters of Compounds in the Leptomycin Family Additional numbers attached? Yes No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: Kosan Biosciences Incorporated Name: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80.00 Internal Address: Intellectual Property Dept. Authorized to be charged by credit card Authorized to be charged to deposit account 3832 Bay Center Place **Enclosed** Street Address: None required (government interest not affecting title) 8. Payment Information City: . A Hayward a. Credit Card Last 4 Numbers Zip: 94545 State: Expiration Date_ Phone Number: 510-731-5291 50-2544 b. Deposit Account Number 510-731-5143 Fax Number: Yuan Chao Authorized User Name Email Address: impey@kosan.com 9. Signature: March 11, 2008 Signature Yuan Chao, Reg. 32,118 Total number of pages including cover sheet, attachments, and documents: Name of Person Signing

> Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> > PATENT

REEL: 020688 FRAME: 0248

11/991879 Attorney Docket No. 010142.03

ASSIGNMENT JOAP17 REC'D FOT/PTO 11 MAR 2008

THIS ASSIGNMENT, by Steven D. Dong and Daniel V. Santi (hereinafter referred to as the assignors), residing at San Francisco, CA and San Francisco, CA, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ESTERS OF COMPOUNDS IN THE LEPTOMYCIN FAMILY, set forth in an application for Letters Patent of the United States, the specification of which is attached hereto, or bearing Serial No. and filed on ; and

WHEREAS, Kosan Biosciences Incorporated, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 3832 Bay Center Place, Hayward, CA 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.

PATENT REEL: 020688 FRAME: 0249

Attorney Docket No. 010142.03

of said assignee, its successors, le	gal representatives and	assigns.	
2/26/2008	Da	Don	
Date	Steven D. Dong	0	

Daniel V. Santi

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

utility

Date

PATENT REEL: 020688 FRAME: 0250

Attorney Docket No. 010142.03

ASSIGNMENT JOINT AP17 Rec'd PCT/PTO 11 MAR 2008

THIS ASSIGNMENT, by Steven D. Dong and Daniel V. Santi (hereinafter referred to as the assignors), residing at San Francisco, CA and San Francisco, CA, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ESTERS OF COMPOUNDS IN THE LEPTOMYCIN FAMILY, set forth in an application for Letters Patent of the United States, the specification of which is attached hereto, or bearing Serial No. and filed on ; and

WHEREAS, Kosan Biosciences Incorporated, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 3832 Bay Center Place, Hayward, CA 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.

PATENT REEL: 020688 FRAME: 0251 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.

Date

Steven D. Dong

Date Date

Daniel V. Santi

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PATENT REEL: 020688 FRAME: 0252

RECORDED: 03/11/2008