		U.S. DEPARTMENT OF COMMERCI
RI (199 - 29		ET Patent and Trademark Office Docket No. 300622000201
200 000 000 All 9: 13		8-22-02
10147	4696	
To the Commissioner of Patents and Trademarks: Pleas	e record the attached or	iginal documents or copy thereof.
1. Name of conveying party(ies): (1) Chaitan KHOSLA (4) David E. CANE (2) Rembert PIEPER (5) Camilla KAO (3) Guanglin LUO (6) Gary ASHLEY Individual(s) Corporation-State Other Additional name(s) of conveying party(ies) attached? Yes INO 3. Nature of conveyance: Marger Security Agreement Change of Name Other: Execution Date: (1) July 30, 1999, (2) August 5, 1999, (3) July 29, 1999, (4) July 26, 1999, (5) July 28, 1999 and (6) July 30, 1999	 Name and address Name: Street Address: City, State, ZIP: and Name: Street Address: City, State, ZIP: and Name: Street Address: City, State, ZIP: 	 Brown University Office of Technology Licensing 900 Welch Road, Suite 350 Stanford, California 94304 Brown University Research Foundation 42 Charlesfield Street Providence, Rhode Island 02912 Kosan Biosciences, Inc. 3832 Bay Center Place Hayward, California 94545 Standerss(es) attached? Yes No
 Application number(s) or patent number(s): 		
 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the e A. Patent Application No.(s) 09/311,756 Additional numbers attached? □ Yes ☑ No 	execution date of the app B. Patent No.(
 If this document is being filed together with a new application, the e A. Patent Application No.(s) 09/311,756 Additional numbers attached? □ Yes I No 5. Name and address of party to whom correspondence concerning 	B. Patent No.(
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 Name of conveying party(ies): (1) Chaitan KHOSLA (4) David E. CANE 		ddress of 1	receiving party(ies):
(2) Rembert PIEPER(5) Camilla KAO(3) Guanglin LUO(6) Gary ASHLEY	Name: Street Addre	ess:	Stanford University Office of Technology Licensing 900 Welch Road, Suite 350
☑ Individual(s)	City, State, 2	ZIP:	Stanford, California 94304
□ General Partnership □ Limited Partnership □ Corporation-State □ Other	and		
Additional name(s) of conveying party(ies) attached? I Yes INo	Name: Street Addre	ess:	Brown University Research Foundation 42 Charlesfield Street
3. Nature of conveyance:	City, State, 2		Providence, Rhode Island 02912
Assignment G Merger Security Agreement Other:	Additional 1	name(s) &	address(es) attached? 🗖 Yes 🗷 No
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THIS ASSIGNMENT, by Chaitan KHOSLA, Rembert PIEPER and Camilla KAO (hereinafter referred to as the assignors), residing at Stanford, California 94305; Washington, D.C. 20008 and Palo Alto, California 94306, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 1999; and

WHEREAS, STANFORD UNIVERSITY, a corporation duly organized under and pursuant to the laws of California and having its principal place of business at Office of Technology Licensing, 900 Welch Road, Suite 350, Stanford, CA 94304 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 does 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 peptersentatives and assigns.

those

Date

Chaitan KHOSLA

dc-165600

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Date	Rembert PIEPER
Date	Camilla KAO

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THIS ASSIGNMENT, by Chaitan KHOSLA, Rembert PIEPER and Camilla KAO (hereinafter referred to as the assignors), residing at Stanford, California 94305; Washington, D.C. 20008 and Palo Alto, California 94306, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 1999; and

WHEREAS, STANFORD UNIVERSITY, a corporation duly organized under and pursuant to the laws of California and having its principal place of business at Office of Technology Licensing, 900 Welch Road, Suite 350, Stanford, CA 94304 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 does 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.

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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.

Date

Chaitan KHOSLA

dc-165600

PATENT REEL: 011110 FRAME: 0351

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2-5-99

Rembert PIEPER

Date

Date

Camilla KAO

dc-165600

THIS ASSIGNMENT, by Guanglin LUO and David E. CANE (hereinafter referred to as the assignors), residing at Madison, Connecticut 06443 and Providence, Rhode Island 02906, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 1999; and

WHEREAS, BROWN UNIVERSITY RESEARCH FOUNDATION, a corporation duly organized under and pursuant to the laws of Rhode Island and having its principal place of business at 42 Charlesfield Street, Providence, Rhode Island 02912 (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 does 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, but at

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.

Guanglin LUO

Date

David E. CANE

Date

dc-165505

THIS ASSIGNMENT, by Guanglin LUO and David E. CANE (hereinafter referred to as the assignors), residing at Madison, Connecticut 06443 and Providence, Rhode Island 02906, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 1999; and

WHEREAS, BROWN UNIVERSITY RESEARCH FOUNDATION, a corporation duly organized under and pursuant to the laws of Rhode Island and having its principal place of business at 42 Charlesfield Street, Providence, Rhode Island 02912 (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 does 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.

Date

Guanglin LUO 156

Date

David E. CANE

dc-165505

THIS ASSIGNMENT, by Chaitan KHOSLA, Rembert PIEPER and Camilla KAO (hereinafter referred to as the assignors), residing at Stanford, California 94305, Washington, D.C. 20008 and Palo Alto, California 94306, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 1999; and

WHEREAS, STANFORD UNIVERSITY, a corporation duly organized under and pursuant to the laws of California and having its principal place of business at Office of Technology Licensing, 900 Welch Road, Suite 350, Stanford, CA 94304 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 does 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.

Date

Chaitan KHOSLA

dc-165600

PATENT REEL: 011110 FRAME: 0355

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Attorney Dockt No. 30062000201

Date		
1	25/99_	
Date		

Rembert PIEPER <u>Camilla M. M. Cae</u> Camilla KAO

THIS ASSIGNMENT, by Gary ASHLEY (hereinafter referred to as the assignor), residing at Alameda, CA 94502, witnesseth:

WHEREAS, Gary ASHLEY and others have invented certain new and useful improvements in METHOD TO PRODUCE NOVEL POLYKETIDES, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/311,756 and filed on May 14, 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 1450 Rollins Road, Burlingame, California 94010 (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 assignor has sold, assigned, transferred and set over, and by these presents does 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 he 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 assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner 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 assignor has 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 assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successor, 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 assignor hereby requests 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.

dc-165600

RECORDED: 08/22/2000