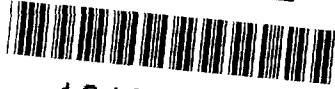


RECORD

01-02-2002



101928854

12/27/01

Application Number	09/956,279
Confirmation Number	2321
Filing Date	September 17, 2001
First Named Inventor	Weissman et al.
Examiner	Not yet assigned
Group Art	1644
Attorney Docket No.	STAN126CIP

ADDRESS TO: Commissioner of Patents and Trademarks
 Box Assignment
 Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Irving L. Weissman, Markus Gabriel Manz
 David Jeffrey Traver, Toshihiro Miyamoto
 Koichi Akashi

2. Name and address of receiving party(ies):
 Name: The Board of Trustees of the Leland
 Stanford Jr. University

Additional name(s) of conveying party(ies) attached? Yes No

Suite 350
 Internal Address:

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____

Street Address: 900 Welch Road
 City: Palo Alto State: CA Zip: 94304

Execution Date(s): 10-09-01, 12-05-01, 12-04-01,
 12-04-01, 12-18-01

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):
 09/956,279

B. Patent Number(s): DEC 2 2001

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Pamela J. Sherwood, Ph.D.
 Street Address: BOZICEVIC, FIELD & FRANCIS, LLP
 200 Middlefield Road, Suite 200
 Menlo Park, CA 94025

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account
A Duplicate Copy of this Sheet is Attached

Telephone: (650) 327-3400
 Facsimile: (650) 327-3231

8. The Commissioner is authorized to charge any fees which may be required, or credit any overpayment to Deposit Account 50-0815 order No. STAN-126CIP. If additional fees are required, including extensions of time, please consider this a petition therefore.

DO NOT USE THIS SPACE

9. Statement and Signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Pamela J. Sherwood, Ph.D.
 Name of Person Signing

Pamela J. Sherwood
 Signature

12-21-2001
 Date

12/31/2001 LMJELLER 00000148 500815 09956279

01 FC:581 40.00 CH

ASSIGNMENT OF APPLICATION (JOINT) Address to: Box Assignment Commissioner for Patents Washington, D.C. 20231	Attorney Docket Number	STAN126CIP
	First Named Inventor	Weissman et al.
	Application Number	09/956,279
	Filing Date	September 17, 2001
	Group Art Unit	1644
	Examiner Name	Unassigned
Title: Mammalian Myeloid Progenitor Cell Subsets		

THIS ASSIGNMENT, by and (hereinafter referred to as the assignors), Irving L. Weissman, David Jeffrey Traver, Koichi Akashi, Markus Gabriel Manz and Toshihiro Miyamoto, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

MAMMALIAN MYELOID PROGENITOR CELL SUBSETS

..X for which an application for a United States Patent was filed on September 17, 2001. Application No. 09/956,279.

WHEREAS, The Board of Trustees of the Leland Stanford Jr. University, a non-profit organization organized under the laws of California, and having its principle place of business at Palo Alto, California (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention 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 considerations, 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 the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, 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 behalf and the use and behalf 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 invention 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 invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention 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 invention, 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 invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date _____ Signature: _____
 Name of Inventor Irving L. Weissman

Date _____ Signature: _____
 Name of Inventor David Jeffrey Traver

Date 12/18/01 Signature: *Koichi Akashi*
 Name of Inventor Koichi Akashi

Date _____ Signature: _____
 Name of Inventor Markus Gabriel Manz

Date _____ Signature: _____
 Name of Inventor Toshihiro Miyamoto

ASSIGNMENT OF APPLICATION (JOINT) Address to: Box Assignment Commissioner for Patents Washington, D.C. 20231	Attorney Docket Number	STAN126CIP
	First Named Inventor	Weissman et al.
	Application Number	09/956,279
	Filing Date	September 17, 2001
	Group Art Unit	1644
	Examiner Name	Unassigned
	Title: Mammalian Myeloid Progenitor Cell Subsets	

THIS ASSIGNMENT, by and (hereinafter referred to as the assignors), Irving L. Weissman, David Jeffrey Traver, Koichi Akashi, Markus Gabriel Manz and Toshihiro Miyamoto, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

MAMMALIAN MYELOID PROGENITOR CELL SUBSETS

X for which an application for a United States Patent was filed on September 17, 2001, Application No. 09/956,279.

WHEREAS, The Board of Trustees of the Leland Stanford Jr. University, a non-profit organization organized under the laws of California, and having its principle place of business at Palo Alto, California (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention 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 considerations, 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 the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, 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 behalf and the use and behalf 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 invention 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 invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention 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 invention, 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 invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date _____ Signature: _____

Name of Inventor Irving L. Weissman

Date _____ Signature: _____

Name of Inventor David Jeffrey Traver

Date _____ Signature: _____

Name of Inventor Koichi Akashi

Date _____ Signature: _____

Name of Inventor Markus Gabriel Manz

Date 12/04/01 Signature: 

Name of Inventor Toshihiro Miyamoto

ASSIGNMENT OF APPLICATION (JOINT) Address to: Box Assignment Commissioner for Patents Washington, D.C. 20231	Attorney Docket Number	STAN126CIP
	First Named Inventor	Weissman et al.
	Application Number	09/956,279
	Filing Date	September 17, 2001
	Group Art Unit	1644
	Examiner Name	Unassigned
	Title: Mammalian Myeloid Progenitor Cell Subsets	

THIS ASSIGNMENT, by and (hereinafter referred to as the assignors), Irving L. Weissman, David Jeffrey Traver, Koichi Akashi, Markus Gabriel Manz and Toshihiro Miyamoto, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

MAMMALIAN MYELOID PROGENITOR CELL SUBSETS

X for which an application for a United States Patent was filed on September 17, 2001, Application No. 09/956,279.

WHEREAS, The Board of Trustees of the Leland Stanford Jr. University, a non-profit organization organized under the laws of California, and having its principle place of business at Palo Alto, California (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention 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 considerations, 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 the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, 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 behalf and the use and behalf 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 invention 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 invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention 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 invention, 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 invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date _____	Signature: _____
	Name of Inventor Irving L. Weissman
Date <u>12/04/01</u>	Signature: 
	Name of Inventor David Jeffrey Traver
Date _____	Signature: _____
	Name of Inventor Koichi Akashi
Date _____	Signature: _____
	Name of Inventor Markus Gabriel Manz
Date _____	Signature: _____
	Name of Inventor Toshihiro Miyamoto

ASSIGNMENT OF APPLICATION (JOINT) Address to: Box Assignment Commissioner for Patents Washington, D.C. 20231	Attorney Docket Number	STAN126CIP
	First Named Inventor	Weissman et al.
	Application Number	09/956,279
	Filing Date	September 17, 2001
	Group Art Unit	1644
	Examiner Name	Unassigned
	Title: Mammalian Myeloid Progenitor Cell Subsets	

THIS ASSIGNMENT, by and (hereinafter referred to as the assignors), Irving L. Weissman, David Jeffrey Traver, Koichi Akashi, Markus Gabriel Manz and Toshihiro Miyamoto, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

MAMMALIAN MYELOID PROGENITOR CELL SUBSETS

X for which an application for a United States Patent was filed on September 17, 2001, Application No. 09/956,279.

WHEREAS, The Board of Trustees of the Leland Stanford Jr. University, a non-profit organization organized under the laws of California, and having its principle place of business at Palo Alto, California (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention 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 considerations, 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 the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, 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 behalf and the use and behalf 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 invention 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 invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention 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 invention, 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 invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date _____ Signature: _____
 Name of Inventor Irving L. Weissman

Date _____ Signature: _____
 Name of Inventor David Jeffrey Traver

Date _____ Signature: _____
 Name of Inventor Koichi Akashi

Date 12/05/07 Signature: _____
 Name of Inventor Markus Gabriel Manz

Date _____ Signature: _____
 Name of Inventor Toshihiro Miyamoto

ASSIGNMENT OF APPLICATION (JOINT)

Application Number	09/956,279
Confirmation Number	
Filing Date	September 17, 2001
First Named Inventor	Weissman et al.
Examiner	
Group Art	
Attorney Docket No.	STAN126CIP

Box Assignment
 ADDRESS TO: Commissioner for Patents
 Washington, D.C. 20231

THIS ASSIGNMENT, by IRVING L. WEISSMAN, DAVID JEFFREY TRAVER and KOICHI AKASHI (hereinafter referred to as the assignors),
 residing in Redwood City, California, West Roxbury, Massachusetts and Palo Alto, California witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"MAMMALIAN MYELOID PROGENITOR CELL SUBSETS"

- for which an application for a United States Patent was filed on 09-17-2001, Application No. 09/956,279
- for which an application for a United States Patent was executed on _____, and

WHEREAS The Board of Trustees of the Leland Stanford Junior University, a corporation duly organized under and pursuant to the laws of California and having its principle place of business at 900 Welch Road, Suite 350, Palo Alto, California 94043 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention 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 therefore and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, 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 the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, 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 behalf and the use and behalf 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 of 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 invention 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 invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention 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 invention, 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 invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date 10/9/01
 Date _____
 Date _____

IRVING L. WEISSMAN _____
 DAVID JEFFREY TRAVER _____
 KOICHI AKASHI _____

