

Form PTO-1595 (Rev. 07/05)  
OMB No. 0851-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**Shirley R. GASPER (05/01/2000),  
Robert R. WEST (03/29/2000),  
Kirk G. ROBBINS (07/28/2000),Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**2. Name and address of receiving party(ies)**

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_ZymoGenetics Corporation  
1201 Eastlake Avenue East  
Seattle, WA 98102-3702  
And  
OsteoScreen IP, LLC (formerly OsteoScreen, Inc.)  
2040 Babcock Road, Suite 201

City: \_\_\_\_\_ San Antonio

State: \_\_\_\_\_ Texas

Country: United States of America Zip: 78229

Additional name(s) & address(es) attached: ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

10/652,159

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Kate H. Murashige  
MORRISON & FOERSTER LLP

Internal Address: Atty. Dkt.: 432722002101

Street Address: 12531 High Bluff Drive  
Suite 100

City: \_\_\_\_\_ San Diego

State: \_\_\_\_\_ CA Zip: 92130-2040

Phone Number: \_\_\_\_\_ (858) 720-5112

Fax Number: \_\_\_\_\_ (858) 720-5125

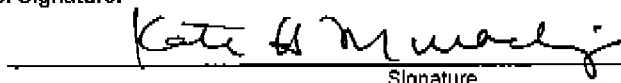
Email Address: \_\_\_\_\_ KMurashige@mofo.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card
- ☒ Authorized to be charged to deposit account
- ☐ Enclosed
- ☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 03-1952  
Authorized User Name Kate H. Murashige**9. Signature:**

Signature

June 30, 2006

Date

Kate H. Murashige - 29,959

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

11

RECORDATION FORM COVER SHEET (continued)	
<b>Additional Conveying Party(ies)/Execution Date(s) (1. Continued):</b>  Patricia A. MCKERNAN (04/27/2000), Nand BAINBUR (08/30/2000), Virender M. LABROO (09/15/2000), and Gregory R. MUNDY (10/23/1999)	
<b>Additional Assignees (2. Continued):</b>	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____	
<b>Additional Applications and/or Patents (4. Continued):</b>	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

Attorney Docket No.: 432722002120

## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Shirley R. GASPER, Robert R. WEST, Theresa MARTINEZ, Kirk G. ROBBINS, Patricia A. McKERNAN, Nand BAINBUR and Virender M. LABROO (hereinafter referred to as the assignors), residing at Seattle, Washington 98117-4949, Seattle, Washington 98117, Greenbank, Washington 98253, Renton, Washington 98055, Woodinville, Washington 98072, Edmonds, Washington 98026 and Mill Creek, Washington 98012, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in COMPOSITIONS AND METHODS FOR STIMULATING BONE GROWTH, set forth in an application for Letters Patent of the United States, bearing Serial No. 08/989,862 and filed on December 12, 1997 (now U.S. Patent No. 6,022,887, issued February 8, 2000; and

WHEREAS, ZymoGenetics Corporation, a corporation duly organized under and pursuant to the laws of Washington, and having its principal place of business at 1201 Eastlake Avenue East, Seattle, WA 98102-3702 (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.

Attorney Docket No.: 432722002120

5/01/00  
Date

Shirley R. Gasper  
Shirley R. GASPER

3/29/2000  
Date

Robert R. West  
Robert R. WEST

\_\_\_\_\_  
Date

\_\_\_\_\_  
Theresa MARTINEZ

\_\_\_\_\_  
Date

\_\_\_\_\_  
Kirk G. ROBBINS

4/27/00  
Date

Patricia A. McKernan  
Patricia A. McKERNAN

\_\_\_\_\_  
Date

\_\_\_\_\_  
Nand BAINBUR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Virender M. LABROO

## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Shirley R. GASPER, Robert R. WEST, Theresa MARTINEZ, Kirk G. ROBBINS, Patricia A. McKERNAN, Nand BAINBUR and Virender M. LABROO (hereinafter referred to as the assignors), residing at Seattle, Washington 98117-4949, Seattle, Washington 98117, Greenbank, Washington 98253, Renton, Washington 98055, Woodinville, Washington 98072, Edmonds, Washington 98026 and Mill Creek, Washington 98012, respectively, witnesseth:

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WHEREAS, ZymoGenetics Corporation, a corporation duly organized under and pursuant to the laws of Washington, and having its principal place of business at 1201 Eastlake Avenue East, Seattle, WA 98102-3702 (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.

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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.

Attorney Docket No.: 432722002120

5/01/00  
Date

Shirley R. Gasper  
Shirley R. GASPER

3/29/2000  
Date

Robert R. West  
Robert R. WEST

7-28-00  
Date

Theresa Martinez  
Theresa MARTINEZ

4/27/00  
Date

Kirk G. Robbins  
Kirk G. ROBBINS

Patricia A. McKernan  
Patricia A. MCKERNAN

Date

Nand BAINOUR  
Nand BAINOUR

Date

Virender M. LABROO  
Virender M. LABROO

## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Shirley R. GASPER, Robert R. WEST, Theresa MARTINEZ, Kirk G. ROBBINS, Patricia A. McKERNAN, Nand BAINDUR and Virender M. LABROO (hereinafter referred to as the assignors), residing at Seattle, Washington 98117-4949, Seattle, Washington 98117, Greenbank, Washington 98253, Renton, Washington 98055, Woodinville, Washington 98072, Edmonds, Washington 98026 and Mill Creek, Washington 98012, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in COMPOSITIONS AND METHODS FOR STIMULATING BONE GROWTH, set forth in an application for Letters Patent of the United States, bearing Serial No. 08/989,862 and filed on December 12, 1997 (now U.S. Patent No. 6,022,887, issued February 8, 2000; and

WHEREAS, ZymoGenetics Corporation, a corporation duly organized under and pursuant to the laws of Washington, and having its principal place of business at 1201 Eastlake Avenue East, Seattle, WA 98102-3702 (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.

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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.

Attorney Docket No.: 432722002120

5/01/00  
Date

*Shirley R. Gasper*  
Shirley R. GASPER

3/29/2000  
Date

*Robert R. West*  
Robert R. WEST

Date

Theresa MARTINEZ

Date

Kirk G. ROBBINS

4/27/00  
Date

*Patricia A. McKernan*  
Patricia A. McKERNAN

8-3-00  
Date

*Nand Baidur*  
Nand BAINDUR

Date

Virender M. LABROO



## ASSIGNMENT JOINT

THIS ASSIGNMENT, by Shirley R. GASPER, Robert R. WEST, Theresa MARTINEZ, Kirk G. ROBBINS, Patricia A. McKERNAN, Nand BAINBUR and Virender M. LABROO (hereinafter referred to as the assignors), residing at Seattle, Washington 98117-4949, Seattle, Washington 98117, Greenbank, Washington 98253, Renton, Washington 98055, Woodinville, Washington 98072, Edmonds, Washington 98026 and Mill Creek, Washington 98012, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in COMPOSITIONS AND METHODS FOR STIMULATING BONE GROWTH, set forth in an application for Letters Patent of the United States, bearing Serial No. 08/989,862 and filed on December 12, 1997 (now U.S. Patent No. 6,022,887, issued February 8, 2000; and

WHEREAS, ZymoGenetics Corporation, a corporation duly organized under and pursuant to the laws of Washington, and having its principal place of business at 1201 Eastlake Avenue East, Seattle, WA 98102-3702 (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.

Attorney Docket No.: 432722002120

Date 5/01/00Shirley R. Gasper  
Shirley R. GASPERDate 3/29/2000Robert R. West  
Robert R. WEST

Date

Theresa MARTINEZ

Date

Kirk G. ROBBINS

Date 4/27/00Patricia A. McKernan  
Patricia A. McKERNAN

Date

Nand BAINDUR

Date 9/15/2000Virender M. Labroo  
Virender M. LABROO

Attorney Docket No.: 432722002122

## ASSIGNMENT

THIS ASSIGNMENT, by Gregory R. MUNDY (hereinafter referred to as the assignor), residing at San Antonio, Texas 78230, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ISOPRENOID PATHWAY INHIBITORS FOR STIMULATING BONE GROWTH, set forth in an application for Letters Patent of the United States, bearing Serial No. 09/096,631 and filed on June 12, 1998; and

WHEREAS, OsteoScreen, Inc., a corporation duly organized under and pursuant to the laws of Texas and having its principal place of business at 2040 Babcock Road, Suite 201, San Antonio, Texas 78229 (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 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 assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor 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 assignor 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 assignor 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 assignor hereby covenant and agree 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 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 assignor 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

10-23-99

Gregory R. MUNDY

