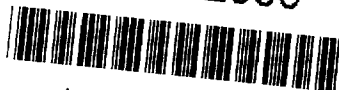


06-16-2000

U.S. DEPARTMENT OF COMMERCE



R SHEET

Patent and Trademark Office
Docket No. 432722002123

101382359

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

1. Name of conveying party(ies):
Theresa Martinez

- ☒ Individual(s) ☐ Association
☐ General Partnership ☐ Limited Partnership
☐ Corporation-State ☐ Other

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: May 4, 2000

2. Name and address of receiving party(ies):

Name: ZymoGenetics Corporation
Internal Address:
Street Address: 1201 Eastlake Avenue East
City: Seattle, State: WA ZIP: 98102-3702

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 No.(s)
09/488,380

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Kate H. Murashige
Morrison & Foerster LLP
2000 Pennsylvania Avenue, N.W.
Washington, D.C. 20006-1888

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

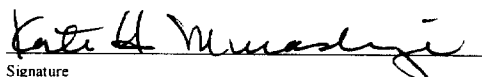
- ☐ Enclosed
☒ Authorized to be charged to deposit account, referencing
Attorney Docket 432722002123

8. Deposit account number: 03-1952The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.**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.

Name: Kate H. Murashige
Registration No: 29,959


Signature

May 22, 2000
Date

Total number of pages comprising cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

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PATENT
REEL: 010846 FRAME: 0681

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 Bangalore-17, India, respectively, 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. 09/488,380 and filed on January 20, 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, Washington 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.

Date

Shirley R. GASPER

Date
5/4/00

Robert R. WEST
Theresa Martinez
Theresa MARTINEZ

Date

Kirk G. ROBBINS

Date

Patricia A. McKERNAN

Date

Nand BAINBUR

Date

Virender M. LABROO