

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Stephen M. Paul	05/05/1995
RECEIVING PARTY DATA	
Name:	Metagenics, Inc.
Street Address:	100 Avenida La Pata
City:	San Clemente
State/Country:	CALIFORNIA
Postal Code:	92673
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	09062204
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ATTORNEY DOCKET NUMBER:	062114-0051
NAME OF SUBMITTER:	Atabak R. Royae

Total Attachments: 6
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THORPE, NORTH & WESTERN
9035 South 700 East, Suite 200
Sandy, Utah 84070

Express Mail Label No. TB766410348US

A S S I G N M E N T

WHEREAS, I, Stephen M. Paul, whose mailing address is 21 Paseo Del Sol, Rancho Santa Margartis, San Clemente, California, 92688; have invented a certain product and process entitled **IMMUNOGLOBULIN AND FIBER-CONTAINING COMPOSITION FOR HUMAN GASTROINTESTINAL HEALTH** for which an application for United States Patent was executed on May 5, 1995 and filed by the firm of Thorpe, North & Western, 9035 South 700 East, Sandy, Utah 84070; bearing attorney Docket No. T2177.CIP. This is a continuation-in-part of application Serial No. 08/331,140 filed October 28, 1994.

Application No. 09/062,204 is a continuation of 08/674,115 which is a continuation of 08/437,316 which is a continuation-in-part of 08/331,140

WHEREAS, assignee, Metagenics, Inc., a California corporation, organized and existing under the laws of the State of California, located at 971 Calle Negocio, San Clemente, California, 92672; is desirous of acquiring my entire right, title and interest in the same;

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.10

Express Mail No. TB766410348US

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated below in an envelope addressed to: Commissioner of Patents and Trademarks, Box Patent Application, Washington, D.C. 20231.

Dated this 9th day of May, 1995.

Respectfully submitted,



Grant R. Clayton

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9035 South 700 East, Suite 200
Sandy, Utah 84070

NOW, THEREFORE, in consideration of one dollar (\$1.00), the receipt and sufficiency whereof is hereby acknowledged, and other good and valuable consideration, I, as inventor, by these presents do sell, assign, and transfer unto said institution, my full and exclusive right to the said invention and in and to said application and any and all divisions and continuations, substitutes and reissues of said application and its entire right, title and interest in, to and under any and all Letters Patent of the United States and foreign countries that may issue or be granted on said invention.

The Commissioner of Patents is hereby authorized and requested to issue said Letters Patent to said Metagenics, Inc., as the assignee of my entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

EXECUTED this 5th day of MAY, 1995, at
SAN CLEMENTE, CA.



Stephen M. Paul

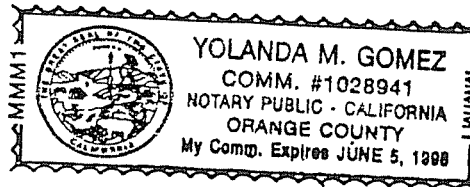
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STATE OF CALIFORNIA)
) : SS
COUNTY OF ORANGE)

Before me personally appeared said Stephen M. Paul who
acknowledged his execution of the foregoing instrument to be
his free act and deed this 5th day of ~~DECEMBER~~ MAY
 , 1995.

My Commission Expires:
JUNE 5, 1998

Yolanda M. Gomez
Notary Public,
Residing at: San Clemente, CA





UNITED STATES DEPARTMENT OF COMMERCE
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 GRANT R. CLAYTON - T2177.CIP
 9035 SOUTH 700 EAST, SUITE 200
 SANDY, UTAH 84070



100068070A

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RECORDATION DATE: 05/09/1995

REEL/FRAME: 7572/0889
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PAUL, STEPHEN M.

DOC DATE: 05/05/1995

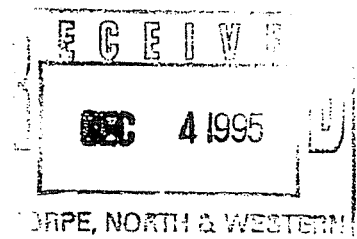
ASSIGNEE:

METAGENICS, INC.
 971 CALLE NEGOCIO
 SAN CLEMENTE, CALIFORNIA 92672

SERIAL NUMBER: 08437316
 PATENT NUMBER:

FILING DATE: 05/09/1995
 ISSUE DATE:

TONYA LEE, EXAMINER
 ASSIGNMENT DIVISION
 OFFICE OF PUBLIC RECORDS



PATENT
REEL: 021796 FRAME: 0666

FORM PTO-1595 (Rev. 6-93)

OMB No. 0651-0011 (exp. 4/95)

REGISTRATION FORM COVER SHEET

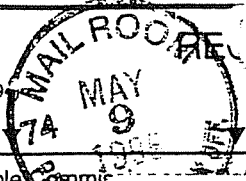
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08/437316



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To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, record the attached original documents or copy thereof.

06/28/95

1. Name of conveying party

Stephen M. Paul



100068070

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

Name and address of receiving party(ies)

Name: METAGENICS, INC.

Internal Address:

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: May 5, 1995

Street Address: 971 Calle Negocio

City: San Clemente State: CA ZIP: 92672

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: May 9, 1995

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Grant R. Clayton

Internal Address: T2177.CIP

Street Address: THORPE, NORTH & WESTERN

9035 South 700 East, Suite 200

City: Sandy State: Utah ZIP: 84070

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

8. Deposit account number:

20-0100 (for deficiency)

(Attach duplicate copy of this page if paying by deposit account)

090 BA 05/24/95 08437316

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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.

Grant R. Clayton

Name of Person Signing

Signature

May 9, 1995

Date

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

4

(12) **United States Patent**
Paul

(10) **Patent No.: US 6,180,099 B1**
(45) **Date of Patent: *Jan. 30, 2001**

(54) **METHOD OF USING IMMUNOGLOBULIN AND FIBER-CONTAINING COMPOSITIONS FOR HUMAN HEALTH**

(75) Inventor: **Stephen M. Paul**, San Clemente, CA (US)

(73) Assignee: **Metagenics, Inc.**, San Clemente, CA (US)

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/062,204**

(22) Filed: **Apr. 17, 1998**

Related U.S. Application Data

(63) Continuation of application No. 08/674,115, filed on Jul. 1, 1996, now Pat. No. 5,744,134, which is a continuation of application No. 08/437,316, filed on May 9, 1995, now Pat. No. 5,531,989, which is a continuation-in-part of application No. 08/331,140, filed on Oct. 28, 1994, now Pat. No. 5,531,988.

(51) **Int. Cl.**⁷ **A01N 63/00; A61K 39/42; A61K 35/78; A61K 39/02; A61K 9/50; A61K 39/395**

(52) **U.S. Cl.** **424/93.4; 424/93.45; 424/161.1; 424/195.1; 424/234.1; 424/499; 424/500; 424/809**

(58) **Field of Search** **424/93.4, 93.45, 424/161.1, 195.1, 234.1, 499, 500, 809, 246.1**

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(57) **ABSTRACT**

A composition for restoring and maintaining gastrointestinal health comprises 40-60% by weight of an immunoglobulin composition comprising concentrated immunologically active immunoglobulins and 40-60% by weight of soluble dietary fiber selected from inulin, fructo-oligosaccharides, pectin, guar gum, and mixtures thereof. The immunoglobulin and fiber-containing composition can optionally contain one or more of a beneficial human intestinal microorganism, components of a non-immune natural defense system, an iron-sequestering molecule, and gluconic acid. Preferred beneficial human intestinal microorganisms include lactobacilli and bifidobacteria. The immunologically active immunoglobulins are preferably purified from bovine milk, milk products, or whey. Methods of use are also described.

75 Claims, 3 Drawing Sheets

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