

06-15-2000



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U.S. DEPARTMENT OF COMMERCE

HEET

Patent and Trademark Office
Docket No. 378332001600

05/31/00

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

<p>1. Name of conveying party(ies): Wendell D. Zollinger, David R. Shoemaker, Agnes G. Saunders, and Brenda L. Brands.</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Secretary of the Army Internal Address: U.S. Army Medical Research & Materiel Command Street Address: 504 Scott Street City: Fort Detrick, State: Maryland ZIP: 20910</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Dates: April 24, 2000; May 19, 2000; April 21, 2000; and May 24, 2000, respectively.</p>	

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) 08/749,592	B. Patent No.(s)
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Thomas G. Wiseman Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account, referencing Attorney Docket 378332001600</p> <p>8. Deposit account number: 03-1952</p>
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The 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: Thomas G. Wiseman
Registration No: 35,046


Signature

5/31/00
Date

Total number of pages comprising cover sheet, attachments and document: **five (5)**

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

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dc-210001

PATENT
REEL: 010844 FRAME: 0319

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Wendell D. Zollinger residing at 14400 Morton Hall Road, Silver Spring, Maryland 20906; David R. Shoemaker residing at 3433 Gateshead Manor #301, Silver Spring, Maryland 20904; Agnes G. Saunders residing at 2406 Ladymeade Drive, Silver Spring, Maryland 20906 and Brenda L. Brands residing at 20006 Spur Hill, Gaithersburg, Maryland 20879 (hereinafter referred to as the assignors), respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in **VACCINE AGAINST GRAM NEGATIVE BACTERIA**, set forth in an application for Letters Patent of the United States, bearing Serial No. 08/749,592 and filed on November 15, 1996; and

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1) Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2) Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

24 Apr 2000 _____
Date Wendell D. Zollinger

Date David R. Shoemaker

Date Agnes G. Saunders

Date Brenda L. Brands

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Date
19 May 2000
Date

Wendell D. Zollinger
[Signature]

David R. Shoemaker

Date

Agnes G. Saunders

Date

Brenda L. Brands

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JOINT**

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Date
Wendell D. Zollinger

Date
April 2000
Date
David R. Shoemaker
Agnes G. Saunders
Agnes G. Saunders

Date
Brenda L. Brands

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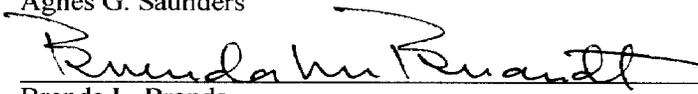
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Date
Wendell D. Zollinger

Date
David R. Shoemaker

Date
Agnes G. Saunders

24 May 2000
Date

Brenda L. ~~Brands~~
Brandt