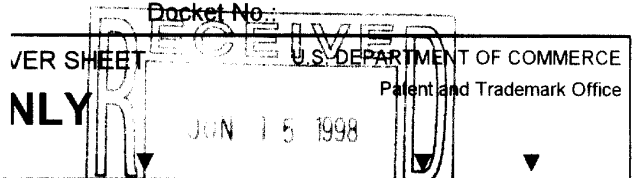


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Tab settings

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

1. Name of conveying party(ies):

University of Maryland at College Park

MRD
6/15/98

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

Name: The United States of America as Represented by the

Internal Address: Secretary of Agriculture

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address:

City: Washington D.C. State: ZIP: 20250

Execution Date: June 8, 1998

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

08/879,813
filed June
20, 1997

5,711,784

Additional numbers attached? Yes No

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

Name: Ernest R. Graf

Internal Address: University of Maryland

Office of Technology Liaison

Street Address: 4312 Knox Rd

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 3.41): \$ 80.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

210683

06/25/1998 JSHABAZZ 00000027 210683 08879813

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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.

Ernest R. Graf

9 June 1998

Name of Person Signing

Signature

PATENT

Date

Total number of pages including cover sheet, attachments and document: 2



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ASSIGNMENT

Whereas, the University of Maryland at College Park (ASSIGNOR) has been assigned all the rights in U.S. Patent No. 5,711,784, and U.S. Serial No. 08/879,813, filed June 20, 1997, by virtue of an assignment from the inventors recorded on August 15, 1997 at Reel 8678, Frame 0086; the University of Maryland should have been only assigned a one-third (1/3) part interest.

And whereas, The United States of America as represented by the Secretary of Agriculture, Washington, D.C. (ASSIGNEE) should have received an original one-third (1/3) part interest and is desirous of acquiring a one-third (1/3) part interest in the right and title in each of U.S. Patent 5,711,784, and U.S. Serial No. 08/879,813.

Now, therefore, in consideration of the sum of one (1) dollar, and other good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR, by these presents does sell, assign, and transfer unto said ASSIGNEE its one-third (1/3) part interest in said patent and said application and any and all additional division, reissues, continuations, substitutions, and renewals thereof in the United States, and its territorial possessions and in all foreign countries, the same to be held and enjoyed by said ASSIGNEE for its own use and behoof, and of its legal representatives and assigns, to the full end of the term for which said Patent(s) are granted.

Executed this 8th day of June in the year 1998 at the University of Maryland.

A handwritten signature in cursive script, appearing to read "Wayne E. Swann", written over a horizontal line.

Wayne E. Swann
Executive Director
Office of Technology Liaison