

08-30-2001
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HEET

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

1. Name of conveying party(ies):
David A. Tirrell
Kristi Lynn Kiick
8-27-01

2. Name and address of receiving party(ies):
California Institute of Technology
1200 East California Blvd.
Pasadena, California 91125

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

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

3. Nature of conveyance:
 Assignment
 Security Agreement
 Other:
 Merger
 Change of Name

Execution Date: August 22, 2001 and June 21, 2001

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) 09/767,515 filed January 23, 2001

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Sarah B. Adriano
Address: 35 N. Arroyo Parkway, Suite 60
Pasadena, California 91103

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. Please charge any additional fees or credit any overpayments to our Deposit account number: 50-0603

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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.

Sarah B. Adriano
Name of Person Signing

Sarah B. Adriano
Signature

8/22/01
Date

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09/30/2001 LAMUELLER 00000074 09767515
01 FD:581 40.00 DP

ASSIGNMENT

Caltech Case No. CIT3228

For good and valuable consideration, the receipt of which is hereby acknowledge, ASSIGNOR (S),

- 1. David A. Tirrell
- 2. Kristi Lynn Kiick

hereby sell, assign and transfer to ASSIGNEE, California Institute of Technology, a California corporation, having its statewide administrative offices located at 1200 East California, Pasadena, California 91125, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

OVEREXPRESSION OF AMINOACYL-tRNA SYNTHETASES FOR EFFICIENT PRODUCTION OF ENGINEERED PROTEINS CONTAINING NON-NATURAL AMINO ACIDS

and which is found in

- (a) _____ U.S. patent application executed _____, entitled as above and listing the above-named persons as inventors
- (b) X U.S. application serial no. 09/767,515, filed January 23, 2001
- (c) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters patent and all rights under all International Conventions for the Protection of Industrial Property:

ASSIGNOR (S) hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with his assignment;

ASSIGNOR (S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

And the ASSIGNOR (S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, California Institute of Technology.

executed this

22nd day of August, 2001

_____ day of _____, 2001

Signature of Inventor (s)



David A. Tirrell

Kristi Lynn Kiick

ASSIGNMENT

Caltech Case No. CIT3228

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- 2. Kristi Lynn Kiick

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and which is found in

- (a) _____ U.S. patent application executed _____, entitled as above and listing the above-named persons as inventors
- (b) X U.S. application serial no. 09/767,515, filed January 23, 2001
- (c) _____ U.S. Patent No.: _____, issued _____

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And the ASSIGNOR (S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, California Institute of Technology.

executed this

Signature of Inventor (s)

_____ day of _____, 2001

21 day of June, 2001

David A. Tirrell

Kristi Lynn Kiick

Kristi Lynn Kiick