

01-28-2002

Form 1595
1-31-92 (modified)

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U.S. Department of Commerce
Patent and Trademark Office

101962973

To the Honorable Assistant Commissioner for Patents: Please record the attached
original documents or copy thereof

1. Name of conveying party(ies):

Barry M. Trost

Iwao Hachiya

1-16-02

Add'l names of conveying parties attached?

☐ Yes ☒ No3. Nature of conveyance: ☒ Assignment☐ Merger ☐ Security Agreement ☐ Other☐ Change of Name ☐ Reassignment4. Date of execution: 10/27/01 and
11/25/01, respectively.2. Name/address of receiving
party(ies):The Board of Trustees of the Leland
Stanford Junior University

Stanford, California 94305

Add'l names of receiving parties
attached? ☐ Yes ☒ No

5. Application number(s) and/or patent number(s):

If this document is being filed with a new application, the date of signature
by the first named inventor was: _____

A. Patent Application No.(s)

09/949,467 filed 07 September 2001

B. Patent No.(s)

JAN 16 2002

Additional numbers attached: ☐ Yes ☒ No6. Name and address of party to whom
correspondence concerning document
should be mailed:Perkins Coie LLP
P.O. Box 2168
Menlo Park, CA 94026
(650) 838-4300
Customer No. 229187. Total No. of applications and
patents involved:
one (1)

8. Total fee (37 CFR \$3.41): \$40.00

☒ Please charge Deposit Account
No. 50-0665 for the fee due.Total number of pages, including cover
sheet, attachments and document: 6

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10. 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.LeeAnn Gorthey
Name of Person SigningLeeAnn Gorthey
Signature12-7-01
Date

01/25/2002 6TOM11 00000131 500665 09949467

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PATENT
REEL: 012496 FRAME: 0574

Assignment

THIS ASSIGNMENT, by Barry M. Trost and Iwao Hachiya (hereinafter referred to as the Assignors), residing at Los Altos, California and Tsu, Mie, Japan, respectively, witnesseth:

WHEREAS, the said Assignors have invented certain new and useful improvements in Catalytic Compositions and Methods for Asymmetric Allylic Alkylation, set forth in an application for Letters Patent of the United States, bearing Serial No. 09/949,467 and filed on September 7, 2001;

WHEREAS, The Board of Trustees of the Leland Stanford Junior University, a corporation duly organized under and pursuant to the laws of California, and having its principal place of business at Stanford, California (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, for valuable consideration, the receipt of which is hereby acknowledged, the said Assignors have sold, assigned, transfer and set over, and by these presents does sell, assign, transfer and set over, unto the 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, reexaminations, 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 the said Assignee, for its own use and behoof and the use and behoof 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 Assignor, had this sale and assignment not been made.

AND, for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignors are the joint and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the 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, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignors will, whenever counsel of the 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 Assignees, their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND, the said Assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date: 10/27/01

Barry M. Trost
Barry M. Trost

Date: _____

Iwao Hachiya

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 Assignees, their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND, the said Assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date: _____

Barry M. TrostDate: 11/25/01Iwao Hachiya
Iwao Hachiya

WITNESSES TO SIGNATURE BY Barry M. Trost

1.

Susan P Trost

Signature

10/27/01

Date

SUSAN P TROST

Print Name

24510 AMIGOS CT

Street Address

Los Altos Hills, CA 94024

City, State & Zip Code

2.

Carey D. Trost

Signature

10/27/2001

Date

Carey D. Trost

Print Name

156 Encino Ct.

Street Address

Sunnyvale, CA 94086

City, State & Zip Code

WITNESSES TO SIGNATURE BY Iwao Hachiya

1.

Signature_____
Date_____
Print Name_____
Street Address_____
City, State & Zip Code

2.

Signature_____
Date_____
Print Name_____
Street Address_____
City, State & Zip Code

Note: May be notarized in lieu of witnessing.

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WITNESSES TO SIGNATURE BY Barry M. Trost

1.

Signature_____
Date_____
Print Name_____
Street Address_____
City, State & Zip Code

2.

Signature_____
Date_____
Print Name_____
Street Address_____
City, State & Zip Code

WITNESSES TO SIGNATURE BY Iwao Hachiya

1.

Takafumi Nishi

Signature*11/25/01*

Date*Takafumi Nishi*

Print Name*4331 Shiratsukacho*

Street Address*Tsu, Mie 514-0101*

City, State & Zip Code
Japan

2.

Tetsuya Sahara

Signature*11/25/01*

Date*Tetsuya Sahara*

Print Name*1745-1 Kurimamachiyacho*

Street Address*Tsu, Mie 514-0102*

City, State & Zip Code
Japan

Note: May be notarized in lieu of witnessing.

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