

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Edgardo T. Farinas</td> <td>10/23/2002</td> </tr> <tr> <td>Frances H. Arnold</td> <td>10/23/2002</td> </tr> <tr> <td>Ulrich Schwaneberg</td> <td>10/24/2002</td> </tr> <tr> <td>Anton Glieder</td> <td>10/01/2002</td> </tr> </tbody> </table>		Name	Execution Date	Edgardo T. Farinas	10/23/2002	Frances H. Arnold	10/23/2002	Ulrich Schwaneberg	10/24/2002	Anton Glieder	10/01/2002
Name	Execution Date										
Edgardo T. Farinas	10/23/2002										
Frances H. Arnold	10/23/2002										
Ulrich Schwaneberg	10/24/2002										
Anton Glieder	10/01/2002										
RECEIVING PARTY DATA											
Name:	California Institute of Technology										
Street Address:	1200 East California Boulevard										
City:	Pasadena										
State/Country:	CALIFORNIA										
Postal Code:	91125										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13750949</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13750949						
Property Type	Number										
Application Number:	13750949										
CORRESPONDENCE DATA											
Fax Number:	8584589986										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	8584583607										
Email:	elena.lopez@bbiplaw.com										
Correspondent Name:	Joseph R. Baker, Jr.										
Address Line 1:	4660 La Jolla Village Drive, Suite 750										
Address Line 4:	San Diego, CALIFORNIA 92122										
ATTORNEY DOCKET NUMBER:	00016-025005										
NAME OF SUBMITTER:	Joseph R. Baker, Jr.										
Signature:	/Joseph R. Baker, Jr./										

Date:

06/12/2013

Total Attachments: 6

source=00016-025005-Assignment#page1.tif

source=00016-025005-Assignment#page2.tif

source=00016-025005-Assignment#page3.tif

source=00016-025005-Assignment#page4.tif

source=00016-025005-Assignment#page5.tif

source=00016-025005-Assignment#page6.tif

ASSIGNMENT

I, **EDGARDO T. FARINAS**, a citizen of the United States of America, residing at 320 S. SIERRA MADRE BLVD., APT. 10, PASADENA, CALIFORNIA 91107; and

I, **FRANCES H. ARNOLD**, a citizen of the United States of America, residing at 4341 ENCINAS DRIVE, PASADENA, CALIFORNIA 91101; and

I, **ULRICH SCHWANEBERG**, a citizen of GERMANY, residing at LEHMBARG 26, 27721 RITTERHUDE, GERMANY; and

I, **ANTON GLIEDER**, a citizen of AUSTRIA, residing at WETZAWINKEL 20, GLEISDORF, AUSTRIA A-8200

(hereinafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to us by

CALIFORNIA INSTITUTE OF TECHNOLOGY

a corporation organized under the laws of California, located at **1200 East California Boulevard, Pasadena, California 91125**, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, all our rights, title and interest, **throughout the world, including priority rights**, in and to our invention entitled:

IMPROVED CYTOCHROME P450 OXYGENASES

invented by us, as a co-inventor if other inventors are identified above, and described in U.S. Serial No.: **10/201,213**, filed on **July 22, 2002** for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being our entire ownership and interest in said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other 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 and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Edgardo T. Farinas
Edgardo T. Farinas

DATED: 10/23/02

Frances H. Arnold
FRANCES H. ARNOLD

DATED: 10/23/02

ULRICH SCHWANEBERG

DATED: _____

ANTON GLIEDER

DATED: _____

ASSIGNMENT

I, **EDGARDO T. FARINAS**, a citizen of the United States of America, residing at 320 S. SIERRA MADRE BLVD., APT. 10, PASADENA, CALIFORNIA 91107; and

I, **FRANCES H. ARNOLD**, a citizen of the United States of America, residing at 4341 ENCINAS DRIVE, PASADENA, CALIFORNIA 91101; and

I, **ULRICH SCHWANEBERG**, a citizen of GERMANY, residing at LEHMBARG 26, 27721 RITTERHUDE, GERMANY; and

I, **ANTON GLIEDER**, a citizen of AUSTRIA, residing at WETZAWINKEL 20, GLEISDORF, AUSTRIA A-8200

(hereinafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to us by

CALIFORNIA INSTITUTE OF TECHNOLOGY

a corporation organized under the laws of California, located at **1200 East California Boulevard, Pasadena, California 91125**, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, all our rights, title and interest, **throughout the world, including priority rights**, in and to our invention entitled:

IMPROVED CYTOCHROME P450 OXYGENASES

invented by us, as a co-inventor if other inventors are identified above, and described in U.S. Serial No.: **10/201,213**, filed on **July 22, 2002** for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being our entire ownership and interest in said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other 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 and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Edgardo T. Farinas

DATED: _____

FRANCES H. ARNOLD

DATED: _____

Ulrich Schwaneberg

ULRICH SCHWANEBERG

DATED: 10/24/02

ANTON GLIEDER

DATED: _____

ASSIGNMENT

I, **EDGARDO T. FARINAS**, a citizen of the United States of America, residing at 320 S. SIERRA MADRE BLVD., APT. 10, PASADENA, CALIFORNIA 91107; and

I, **FRANCES H. ARNOLD**, a citizen of the United States of America, residing at 4341 ENCINAS DRIVE, PASADENA, CALIFORNIA 91101; and

I, **ULRICH SCHWANEBERG**, a citizen of GERMANY, residing at LEHMBARG 26, 27721 RITTERHUDE, GERMANY; and

I, **ANTON GLIEDER**, a citizen of AUSTRIA, residing at WETZAWINKEL 20, GLEISDORF, AUSTRIA A-8200

(hereinafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to us by

CALIFORNIA INSTITUTE OF TECHNOLOGY

a corporation organized under the laws of California, located at **1200 East California Boulevard, Pasadena, California 91125**, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, all our rights, title and interest, **throughout the world, including priority rights**, in and to our invention entitled:

IMPROVED CYTOCHROME P450 OXYGENASES

invented by us, as a co-inventor if other inventors are identified above, and described in U.S. Serial No.: **10/201,213**, filed on **July 22, 2002** for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being our entire ownership and interest in said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other 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 and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Edgardo T. Farinas

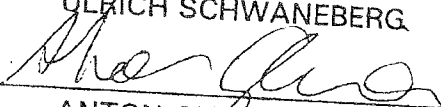
DATED: _____

FRANCES H. ARNOLD

DATED: _____

ULRICH SCHWANEBERG

DATED: _____



ANTON GLIEDER

DATED: Oct. 1st, 2002