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PATENTS ONLY

Atty Ref/Docket No.: 3000.009WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Alvaro Orjuela

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

3. Nature of conveyance:

[] Assignment [] Merger

[] Security Agreement [] Change of Name

[X] Other - We are filing this corrective assignment on Reel 026884 and frames 0238-0244 to formalize the handwritten changes made to the address of inventor Alvaro Orjuela.

Execution Date: September 26, 2011

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

Name: Board of Trustees of Michigan State University

Street Address: 450 Administration Building

City: East Lansing State: MI Zip: 48824-1046

Country: United States of America

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

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)

B. Patent No.(s)

Serial No. PCT/US2010/058787, filed December 2, 2010

Additional numbers attached? [] Yes [X] No

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

Name: Barbara J. Clark

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

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

[] Enclosed

[X] Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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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.

Barbara J. Clark/Reg. No. 38,107

Name of Person Signing

Barbara J. Clark

Signature

November 3, 2011

Date

Total number of pages including cover sheet: 7

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

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

CH \$40.00 190743 US1058787

Attorney Docket No. 3000.009WO1
Client Ref. No. TEC2009-0062-01PCT

ASSIGNMENT

WHEREAS, We, Alvaro Orjuela, residing at Universidad Nacional de Colombia, Cra 30, Cile 45, Ciudad Universitaria, Ed. 412, Of. 201, Bogota, Colombia, and Abraham Yanez-McKay, residing at 3523 Apple Valley Road, Okemos, MI 48864-3942, and Carl Lira, residing at 131 Oakland Drive, East Lansing, MI 48823, and Dennis Miller, residing at 5214 Whitetail Circle, Okemos, MI 48864, made certain new and useful inventions and improvements which are described in a patent application filed on **December 2, 2010**, which application was assigned PCT patent application serial number **PCT/US2010/058787**, and is entitled CARBOXYLIC ACID RECOVERY AND METHODS RELATED THERETO:

WHEREAS, We are governed by Michigan State University (hereinafter "MSU") Patent Policy (www.hr.msu.edu/documents/facacadhandbooks/facultyhandbook/patents.htm), and therefore understand that, in exchange for GOOD AND VALUABLE CONSIDERATION provided by MSU, the receipt, sufficiency and adequacy of which are hereby acknowledged, the aforementioned new and useful inventions and improvements are considered "University Inventions." As such, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Board of Trustees of Michigan State University (the "Assignee"), a corporation of the State of Michigan, having a place of business at 450 Administration Building, East Lansing, MI 48824-1046, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified patent application(s), and which may be further identified above; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to claim priority to the identified patent application(s), including the right to file foreign applications under the provisions of any convention or treaty;

AUTHORIZE AND REQUEST that any attorney associated with U.S. PTO Customer No. 21186 may (directly or through his/her designee) delete, insert, or alter any information identifying this application, or any related application, after execution of this Assignment;

ASSIGNMENT

Docket No: 3000.009WO1

Client Ref No: TEC2009-0062-01PCT
Assignors: Alvaro Orjuela et al.
Serial Number: PCT/US2010/058787
Title: CARBOXYLIC ACID RECOVERY
AND METHODS RELATED THERE TO
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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

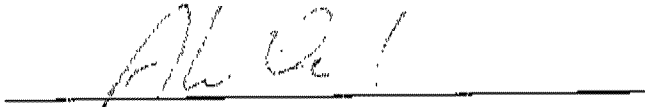
THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

ASSIGNMENT
Client Ref. No. TI 0209-0962-0119-1
Assignors: Alvaro Orjuela et al
Serial Number: PCT/US2010/058787
Title: CARBOXYLIC ACID RECOVERY
AND METHODS RELATED THERE TO
Page 3 of 6

Docket No. 306092341

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of
September, 2011



Alvaro Orjuela

STATE OF _____)

)ss

COUNTY OF _____)

On this _____ day of _____, 20____ before me personally appeared Alvaro Orjuela, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public



