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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Michael Meyrick Burrell

Execution Date(s) December 6, 2005

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

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

Name: Advanced Technologies (Cambridge) Limited

Internal Address: Cambridge Science Park

Street Address:

City: Cambridge

State:

Country: England

Zip: CB4 4WA

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

**4. Application or patent number(s):**

A. Patent Application No.(s)

11/196,155 filed August 2, 2005

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: ANTHONY GIACCIO, Esq.

Internal Address:

KENYON & KENYON

Street Address: ONE BROADWAY

City: NEW YORK

State: NEW YORK

Zip: 10004

Phone Number: 212-425-7200

Fax Number: 212-425-5288

Email Address:

**6. Total number of applications and patents involved:**

01

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers

Expiration Date

b. Deposit Account Number 11-0600

Authorized User Name

**9. Signature:**

Anthony Giaccio

(Reg. No. 39,684)

Name of Person Signing

Signature

Date

12/19/05

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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PATENT  
REEL: 017390 FRAME: 0909

**ASSIGNMENT**

WHEREAS, I,

**Michael Meyrick BURRELL**  
**Edgestones**  
**Litton Dale**  
**Litton**  
**Derbyshire, SK17 8QL**  
**United Kingdom**  
**Citizenship: British**

have made new and useful inventions and discoveries in **MODIFICATION OF PLANT METABOLISM**, for which an application for U.S. Letters Patent was filed on August 2, 2005, and was assigned U.S. Serial No. 11/196,155; and

WHEREAS **Advanced Technologies (Cambridge) Limited** having a place of business at **Cambridge Science Park, Cambridge, CB4 4WA, ENGLAND** and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges in and to said inventions and discoveries and any and all improvements thereon, and in and to any and all applications for Letters Patent of the United States and other countries, and in and to any and all Letters Patent of the United States and other countries, and any and all continuations, continuations-in-part, divisions, extensions, renewals, substitutions, reissues and reexaminations thereof,

NOW, THEREFORE, for and in good and valuable consideration of the sum of One Dollar (\$1.00), lawful money of the United States, furnished by Assignee to me, and other valuable consideration unto me moving from said Assignee, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Sell, assign, transfer, and convey to Assignee the entire right, title, and interest in and to said invention, discoveries, and any and all improvements thereon, and in and to said application for Letters Patent of the United States of America, and any and all other applications for Letters Patent on said invention, discoveries, and improvements in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, Convention applications and International applications based in whole or in part upon said inventions, discoveries, or improvements or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions, discoveries, or improvements or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said improvements, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for said inventions, improvements and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as Assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not conveyed to others any right, title, or interest in and to said inventions, discoveries, improvements, applications, or Letters Patent or any license to use the same or to make, use, sell, offer to sell, or import into the United States anything embodying or utilizing any of said inventions, discoveries or improvements; that I have good right to assign the same to Assignee without encumbrance; and that I am aware of no claim to the contrary.

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions, said discoveries, said improvements, said applications, and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions, said discoveries and said improvements or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions, said discoveries, said improvements; and to testify to the same in any interference, arbitration or litigation.

IN WITNESS WHEREOF, I, the said MICHAEL MEYRICK BURRELL have hereunto set my hand and seal in Sheffield on this 6 day of December, 2005.

Michael Meyrick Burrell  
Michael Meyrick BURRELL

WITNESS: A. J. FLEMING [Signature] 6/12/05  
Name Signature Date

WITNESS: M. P. DAVEY [Signature] 6/12/05  
Name Signature Date