

01-06-2003

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

1. Name of conveying party(ies):
Brian McKeown

12/23/02

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

Name: **Orchid BioSciences, Inc.**

Internal Address:

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherStreet Address: **4390 U.S. Route One**City: **Princeton**State: **NJ**ZIP: **08540**Execution Date: **December 20, 2002**Additional name(s) & address(es) attached? ☐ Yes ☐ No

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

If this document is being filed together with a new application, the execution date of the application is: **December 20, 2002**

A. Patent Application No.(s)

B. Patent No.(s)

12/30/2002 HDEMESS1 00000047 10328150

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40.00 DP

10/328/50

Additional numbers attached? ☐ Yes ☒ No

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

Name: **William D. Schmidt**Internal Address: **Kalow & Springut LLP**Street Address: **488 Madison Avenue****19th Floor**City: **New York**State: **NY**ZIP: **10022**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

11-0171

(Attach duplicate copy of this page if paying by deposit account)

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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.

William D. Schmidt

Name of Person Signing

William D. Schmidt

Signature

December 20, 2002

Date

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

3

PATENT

13347

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, I (we), the undersigned, Brian McKeown, residing at 31 Grays Road, Headington, Oxford OX37PZ, United Kingdom;

Hereby sell, assign and transfer to Orchid BioSciences, Inc. having a place of business at

4390 U.S. Route One
Princeton, NJ 08540,

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned and is entitled:

METHODS AND COMPOSITIONS FOR CONDUCTING PRIMER EXTENSION AND
POLYMORPHISM DETECTION REACTIONS

(US Application Serial No. _____, filed _____)

[the undersigned hereby authorizes its attorneys to amend this document to insert the filing date and application serial number when they become known]
and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Director of Patents of the United States to issue to said Assignee, the corporation above named, their successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patents or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested,

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Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ASSIGNOR


Brian McKeown

Date: 20th Dec 2002.

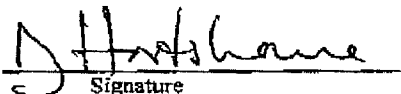
By:


Signature

Witness:

Mark Tomison
Print Name
Signature20-12-02
DateResidence Address: 3croft cottages, bulcot, OX4 3DG,

Witness:

DAVID HARTSHORNE
Print Name
Signature20-12-02
DateResidence Address: 46 SALISBURY CRESCENT, OXFORD, OX2 7TL