

09-05-2002

FLH Ref. No.: 540579-2006

FORM PTO-1595
(Rev. 6-93)

HEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102211927

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

1. Name of conveying party(ies)

Dina Zevin-Sonkin and Shlomit Gilad

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

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name:

Quark Biotech, Inc.

Internal Address:

Street Address:

10265 Carnegie Avenue

City:

Cleveland State: Ohio Zip: 44106

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

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other

Execution Dates: March 30, 2000

4. Application number(s) or patent number(s): 09/538,709 filed March 30, 2000

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)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas J. Kowalski

Internal Address: Frommer, Lawrence and Haug, LLP

Street Address: 745 Fifth Ave

City: NYC State: NY Zip: 10151

6. Total number of applications and patents involved 1

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

☒ Enclosed☐ Authorized to be charged to deposit account #50-03208. Deposit account number: 50-0320
(Attach duplicate copy of this page if paying by deposit account)

Do not use this space

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.

Thomas J. Kowalski Reg. No. 32,147

Name of Person Signing

Signature

August 14, 2002

Total number of pages including cover sheet, attachments, and document): 4

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 Mail documents to be recorded with required cover sheet information to:
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PATENT
 REEL: 013245 FRAME: 0789

Frommer Lawrence & Haug LLP
File No.: 540579-2006
Serial No.: 09/538,709
Filing Date: March 30, 2000

ASSIGNMENT

We, **PAZ EINAT, DINA ZEVIN-SONKIN and SHLOMIT GILAD**, who reside respectively at: Teper 3/27, Ness-Ziona 74042, Israel, Hahagan 2/3, Rehovot 76210, Israel, and Tel-Nof, Gedera 70700, Israel have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: **SEQUENCE-DEPENDENT GENE SORTING TECHNIQUES**, U.S. Serial No. 09/538,709, filed March 30, 2000, and **Quark Biotech, Inc.**, a corporation of the State of **OHIO** having an address of 10265 Carnegie Avenue, Cleveland, Ohio 44106, U.S.A. and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:


1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names 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 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 we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use, sell or offer to sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives 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 us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the 30th day of March, 2000.

In testimony of which we have affixed our signatures.

Paz Einat



Dina Zevin-Sonkin

Shlomit Gilad

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Shlomo Gilad