

RBN-001DV
PATENT

01-07-2004



REC

EET

102639927
PATENT

TO: Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)

Document ID#:

- ☐ Correction of PTO Error

Reel #: Frame #:

- ☐ Corrective Document

Reel #: Frame #:

Conveyance Type

- ☒ Assignment ☐ Security Agreement

- ☐ License ☐ Change of Name

- ☐ Merger ☐ Other

U.S. Government

(For use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

- ☐ Mark if additional names of conveying parties attached

Name Jack D. Keene

Execution Date
Month Day Year

12/23/02

Name

Name

Name

Name

Name

Receiving Party

- ☐ Mark if additional names of receiving parties attached

Name (line 1) Ribonomics, Inc.

Name (line 2)

Address (line 1) P.O. Box 13169

Address (line 2)

Address (line 3) Research Triangle Park

NC

27709

City

State/Country

Zip Code

- ☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

01/06/2004 DBYNE 00000066 10629453

01 FC:0021
2731006

40.00 DP

Mail documents to be recorded with required cover sheet(s) information to:
Box Assignment, Director of the United States Patent and Trademark Office, Washington, D.C. 20231

PATENT
REEL: 014848 FRAME: 0427

Correspondent Name and Address

Area Code and Telephone Number (617) 248-7000

Name Patent Administrator

Address (line 1) Testa, Hurwitz & Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/629,453

Patent Number(s)**Patent Cooperation Treaty (PCT)**Enter PCT application number
only if a U.S. Application Number
has not been assigned.PCT PCT PCT
PCT PCT PCT**Number of Properties**

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account)

Deposit Account Number

20-0531

Authorization to charge additional fees:

Yes ☒ No ☐**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. Charges to deposit account are authorized, as indicated herein.

Diana M. Steel, Reg. No. 43,153

Name of Person Signing



Signature

12/30/03

Date

ASSIGNMENT

WHEREAS, I, Jack D. Keene, Ph.D. ("Assignor"), have invented one or more inventions described in the following applications (or provisional application):

1. Methods, Compositions and Kits for Structurally and Functionally Partitioning, Identifying and Characterizing Messenger RNA Subsets, Serial No. 60/173,338, filed in the United States Patent and Trademark Office on December 28, 1999;
2. Methods for Isolating and Characterizing Endogenous mRNA-Protein (mRNP) Complexes, Serial No. PCT/US00/35583, filed December 28, 2000; and
3. Methods for Isolating and Characterizing Endogenous mRNA-Protein (mRNP) Complexes, Serial No. 09/750,401, filed in the United States Patent and Trademark Office on December 28, 2000.

WHEREAS, Ribonomics, Inc. ("Assignee"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at P.O. Box 13169, Research Triangle Park, NC 27709-3169, desires to acquire an interest therein, in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and for Six million-four-hundred-seventy-thousand-five-hundred-ninety-one (6,470,591) shares of Assignee's common stock, par value \$0.001 per share, the receipt of which is hereby acknowledged, I, do hereby sell, assign and transfer unto said Assignee, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and 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 by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in Assignee to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of Assignee's selection and the right to procure the grant of all Letters Patent to Assignee in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said Assignee, its successors, assigns, and legal

representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I hereby authorize Assignee or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said Assignee, its successors, assigns, or legal representatives.

AND, this Assignment revokes and supersedes any previous assignments, whether written or oral, including but not limited to the assignment agreement dated October 19, 2000, between the parties with respect to the subject matter hereof and fully sets forth the entire agreement between the parties.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth below.

Inventor:

Jack D. Keene
Jack D. Keene, Ph.D.

State/Commonwealth of NH
County of Durham) ss

Subscribed and sworn to before me, by the above-named Jack D. Keene, Ph.D. this 23rd day of

December, 2002.

Rhett D. Brotherton
Notary Public
My Commission Expires: 9/29/03

2461543_1