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ey Docket No. VPI/00-101 CON US

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102208486

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- a) Paul Charifson;
- b) Dean Stamos;
- c) Michael Badia;
- d) Anne-Laure Grillot;
- e) Steven Ronkin; and
- f) Martin Trudeau

827102

2. Name and address of receiving party(ies)

Name: Vertex Pharmaceuticals, Incorporated

Internal Address:

Street Address: 130 Waverly Street
Cambridge, MA 02138-4242

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

3. Nature of conveyance:

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

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

Execution Date: a)-f) January 17, 2001

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):

10/198,407

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Nandakumar Govindaswamy
Address: VERTEX PHARMACEUTICALS INCORPORATED
130 Waverly Street
Cambridge, MA 02138-4242

6. Total number of applications and patents involved: [1]

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

- ☐ Enclosed
- ☒ The Commissioner is authorized to charge Deposit Account
No: 50-0725, Reference No. VPI/00-101 CON US.

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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.

Nandakumar Govindaswamy

August 27, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: [9]

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

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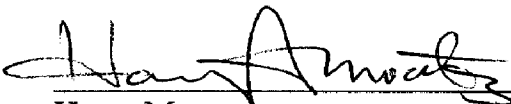
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATE PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Nandakumar Govindaswamy is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Vertex Pharmaceuticals, Inc. to prepare and prosecute patent applications wherein the patent application is assigned to Vertex Pharmaceuticals, Inc., and the attorney or agent of record in the applications is a registered practitioner who is an employee of Vertex Pharmaceuticals, Inc. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Nandakumar Govindaswamy ceases to lawfully reside in the United States, (ii) Nandakumar Govindaswamy's employment with Vertex Pharmaceuticals, Inc. ceases or is terminated, or (iii) Nandakumar Govindaswamy ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: June 30, 2003



Harry Moatz,
Director of Enrollment and Discipline

PCT
ASSIGNMENT

I/We,

- (1) Paul Charifson,
- (2) Dean Stamos,
- (3) Michael Badia,
- (4) Anne-Laure Grillot,
- (5) Steven Ronkin,
- (6) Martin Trudeau

residing, respectively, at

- (1) 7 Dartmouth Drive
Framingham, Massachusetts, 01701 USA
- (2) 28 Londonderry Avenue
Framingham, Massachusetts, 01701 USA
- (3) 20 Meadowbrook Road
Bedford Massachusetts, 01730 USA
- (4) 31 Regent Street #3R
Cambridge, Massachusetts, 02140 USA
- (5) 16 Jensen Street
Watertown, Massachusetts, 02472 USA
- (6) 163 Merrimack Meadows
Tewksbury, Massachusetts, 01876 USA

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, and do hereby assign, sell and transfer to VERTEX

PHARMACEUTICALS INCORPORATED, a corporation organized and existing under the laws of the COMMONWEALTH OF MASSACHUSETTS and having an office and a place of business at 130 WAVERLY STREET, CAMBRIDGE, MASSACHUSETTS 02139-4242, its successors and assigns: (1) the entire right, title and interest in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in my/our International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US), entitled: "GYRASE INHIBITORS AND USES THEREOF" and designating Albania (AL), Algeria (DZ), Antigua & Barbuda (AG), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Barbados (BB), Belarus (BY), Belgium (BE), Benin (BJ), Bosnia and Herzegovina (BA), Brazil (BR), Bulgaria (BG), Burkina Faso (BF), Cameroon (CM), Canada (CA), Central African Republic (CF), Chad (TD), China (CN), Columbia (CO), Congo (CG), Costa Rica (CR), Côte d'Ivoire (CI), Croatia (HR), Cuba (CU), Cyprus (CY), Czech Republic (CZ), Democratic People's Republic of Korea (KP), Denmark (DK), Dominica (DM), Estonia (EE), Finland (FI), France (FR), Gabon (GA), Gambia (GM), Georgia (GE), Germany (DE), Ghana (GH), Greece (GR), Grenada (GD), Guinea (GN), Guinea Bissau (GW), Hungary (HU), Iceland (IS), India (IN), Indonesia (ID), Ireland (IE), Israel (IL), Italy (IT), Japan (JP), Kazakstan (KZ), Kenya (KE), Kyrgyzstan (KG), Latvia (LV), Lesotho (LS), Liberia (LR), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Madagascar (MG), former Yugoslav Republic of Macedonia (MK), Malawi (MW), Mali (ML), Mauritania (MR), Mexico (MX), Monaco (MC), Mongolia (MN), Morocco (MA), Mozambique (MZ), Netherlands (NL), New Zealand (NZ), Niger (NE), Norway (NO), Poland (PL), Portugal (PT),

Republic of Korea (KR), Republic of Moldova (MD), Romania (RO), Russian Federation (RU), Saint Lucia (LC), Senegal (SN), Sierra Leone (SL), Singapore (SG), Slovakia (SK), Slovenia (SI), South Africa (ZA), Spain (ES), Sri Lanka (LK), Sudan (SD), Swaziland (SZ), Sweden (SE), Switzerland (CH), Tajikistan (TJ), Tanzania (TZ), Togo (TG), Trinidad and Tobago (TT), Turkey (TR), Turkmenistan (TM), Uganda (UG), Ukraine (UA), United Arab Emirates (AE), United Kingdom (GB), United States of America (US), Uzbekistan (UZ), Viet Nam (VN), Yugoslavia (YU), and Zimbabwe (ZW), [subsequently identified as International Patent Application _____, filed [_____] *], including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of VERTEX PHARMACEUTICALS INCORPORATED, its designee, or in my/our names at VERTEX PHARMACEUTICALS INCORPORATED, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of

* I/We hereby authorize VERTEX PHARMACEUTICALS INCORPORATED and its representatives to insert in this instrument the International Patent Application number and the filing date of said application when VERTEX PHARMACEUTICALS INCORPORATED is officially notified thereof.

priority in any country of the world, in and to the following priority application(s):

<u>60/176,671</u>	<u>UNITED STATES</u>	<u>January 18, 2000</u>
application no.	country	filing date
<u>60/254,331</u>	<u>UNITED STATES</u>	<u>December 8, 2000</u>
application no.	country	filing date

and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

I/We hereby authorize and request the competent authorities to grant and to issue any all such Letters Patent in any country throughout the world to VERTEX PHARMACEUTICALS INCORPORATED as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

I/We agree, at any time, upon the request of VERTEX PHARMACEUTICALS INCORPORATED to execute and to deliver to VERTEX PHARMACEUTICALS INCORPORATED any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I/We further agree, at any time, upon request of VERTEX PHARMACEUTICALS INCORPORATED to execute and to deliver to VERTEX PHARMACEUTICALS INCORPORATED such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of

the world, and otherwise to do the necessary to give full effect to and to perfect any and all rights of VERTEX PHARMACEUTICALS INCORPORATED under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:

Paul Charifson (1)
Paul Charifson

Dean Stamos (2)
Dean Stamos

Michael Badia (3)
Michael Badia

Anne-Laure Grillot (4)
Anne-Laure Grillot

Steven Ronkin (5)
Steven Ronkin

Martin Trudeau (6)
Martin Trudeau

On this 17th day of JANUARY, 2001,
Paul Charifson (1) personally appeared before me, a
Notary Public in and for the Commonwealth of
Massachusetts, and executed the foregoing Assignment and
duly acknowledged to me that such Assignment was executed
for the uses and purposes therein expressed.

Shylla C. Tobey
Notary Public

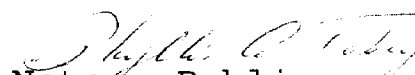
On this 17th day of JANUARY, 2001,
Dean Stamos (2) personally appeared before me, a Notary
Public in and for the Commonwealth of Massachusetts, and
executed the foregoing Assignment and duly acknowledged
to me that such Assignment was executed for the uses and
purposes therein expressed.

Shylla C. Tobey
Notary Public

On this 17th day of JANUARY, 2001,
Michael Badia (3) personally appeared before me, a Notary
Public in and for the Commonwealth of Massachusetts, and
executed the foregoing Assignment and duly acknowledged
to me that such Assignment was executed for the uses and
purposes therein expressed.

Shylla C. Tobey
Notary Public

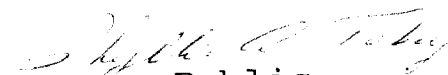
On this 17th day of JANUARY, 2001,
Anne-Laure Grillot (4) personally appeared before me, a
Notary Public in and for the Commonwealth of
Massachusetts, and executed the foregoing Assignment and
duly acknowledged to me that such Assignment was executed
for the uses and purposes therein expressed.


Notary Public

On this 17th day of JANUARY, 2001,
Steven Ronkin (5) personally appeared before me, a Notary
Public in and for the Commonwealth of Massachusetts, and
executed the foregoing Assignment and duly acknowledged
to me that such Assignment was executed for the uses and
purposes therein expressed.


Notary Public

On this 17th day of JANUARY, 2001,
Martin Trudeau (6) personally appeared before me, a
Notary Public in and for the Commonwealth of
Massachusetts, and executed the foregoing Assignment and
duly acknowledged to me that such Assignment was executed
for the uses and purposes therein expressed.

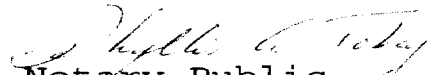

Notary Public

ACKNOWLEDGEMENT OF ASSIGNEE:

VERTEX PHARMACEUTICALS INCORPORATED

By: 
Andrew S. Marks
Chief Patent Counsel

On this 17th day of JANUARY, 2001,
Andrew S. Marks personally appeared before me, a Notary
Public in and for the Commonwealth of Massachusetts, and
duly acknowledged the executed Assignment on behalf of
the Assignee.


Notary Public