

09-24-1999



COVER SHEET

U.S. DEPARTMENT OF COMMERCE
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9-22-99
PI/9-101 CIP CON

To the Honorable Commission of

101154325

attached original documents or copy thereof.

1. Name of conveying party(ies):

Joseph L. Kim
Kurt A. Morgenstern
Chao Lin
Paul R. Caron

1999 SEP 22 AM 9:04

OPR/FINANCE

Name and address of receiving party(ies)

Name: Vertex Pharmaceuticals Incorporated

Internal Address: _____

Street Address: 130 Waverly Street

City: Cambridge State: MA ZIP: 02139-4211

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

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

3. Nature of conveyance:

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

Execution Date: August 10, 1998

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)

09/303,216
(U.S. Continuation of PCT/US98/16879)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: James F. Haley, Jr.

Internal Address: FISH & NEAVE

Street Address: 1251 Avenue of the Americas

City: New York State: NY ZIP: 10020-1104

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

8. Deposit account number:

06-1075

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

09/23/1999 DMSUYEN 00000301 09303216

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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.

Li Su

Name of Person Signing

Signature (Registration No. P-45,141)

September 20, 1999

Date

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

6

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010254 FRAME: 0389

**PCT
ASSIGNMENT**

I/We,

- (1) Joseph L. Kim,
- (2) Kurt A. Morgenstern,
- (3) Chao Lin, and
- (4) Paul R. Caron

Residing, respectively, at

- (1) 20 Ridge Avenue, Natick,
Massachusetts 01760, United States of America;
- (2) 17B Bonnie Lane, Derry,
New Hampshire 03038, United States of America;
- (3) 42 Stanton Road #2, Brookline
Massachusetts 02445, United States of America; and
- (4) 85 Maple Street, Malden
Massachusetts 02148, United States of America

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 02139-4211, United States of America, its successors and assigns: (1) the entire right, title and interest in all countries throughout the world in and to any and all my/or 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:

HEPATITIS C VIRUS HELICASE CRYSTALS AND MOLECULES
COMPRISING HELICASE BINDING POCKETS, and designating Albania (AL),
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), Congo (CG), Cote d'Ivoire (CI), Cuba (CU),
Cyprus (CY), Czech Republic (CZ), Democratic People's Republic of Korea (KP),
Denmark (DK), Estonia (EE), Finland (FI), France (FR), Gabon (GA), Gambia (GM),
Georgia (GE), Germany (DE), Ghana (GH), Greece (GR), Guinea (GN), Guinea
Bissau (GW), Hungary (HU), Iceland (IS), 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),
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), Spain (ES), Sri Lanka (LK), Sudan
(SD), Swaziland (SZ), Sweden (SE), Switzerland (CH), Tajikistan (TJ), Togo (TG),
Trinidad and Tobago (TT), Turkey (TR), Turkmenistan (T M), Uganda (UG),
Ukraine (UA), United Kingdom (GB), United States of America (US), Uzbekistan
(UZ), Viet Nam (VN), Yugoslavia (YU), and Zimbabwe (ZW),

[subsequently identified as International Patent Application PCT/US98/16879 , filed
August 13, 1998 *],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,

*

I/We hereby authorize Vertex Pharmaceuticals Incorporated and its representatives to insert in
this instrument the International Patent Applications number and the filing date of said application
when Vertex pharmaceuticals Incorporated is officially notified thereof.

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

60/055,772

US

13-August-1997

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

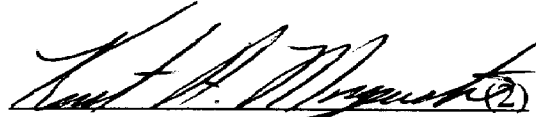
I/We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to Vertex Pharmaceuticals Incorporated as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been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

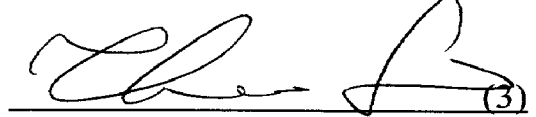
I/We agree, at any time, upon the request of Vertex Pharmaceuticals Incorporated to execute and to deliver to Vertex Pharmaceuticals Incorporated any additional applications for patents for said inventions and discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations 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:

 (1)
Joseph L. Kim

 (2)
Kurt A. Morgenstern

 (3)
Chao Lin

 (4)
Paul R. Caron

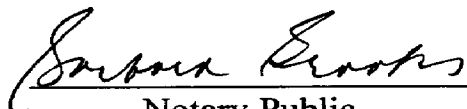
On this 10th day of August, 1998,
Joseph L. Kim (1) personally appeared before me, a Notary Public in and for the
Commonwealth of Massachusetts, and executed the foregoing Assignment and duly
acknowledged to me that such Assignment was executed for the uses and purposes
therein expressed.


Notary Public


On this 10th day of August, 1998,
Kurt A. Morgenstern (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.


Notary Public

On this 10th day of August, 1998,
Chao Lin (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.



Notary Public

On this 10th day of August, 1998,
Paul R. Caron (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

ACKNOWLEDGEMENT OF ASSIGNEE:

Vertex Pharmaceuticals Incorporated

By: 
Richard Aldrich,
Sr. Vice President
Chief Business Officer

On this 10 day of August, 1998,
Richard Aldrich 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

MARION C. MARKS
Notary Public
My Comm. Expires July 22, 2003