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To the Honorable Commissioner of Patent

102656808

attached original documents or copy thereof.

1. Name of conveying party(ies):
Michael Robin Hale
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

1-21-04

2. Name and address of receiving party(ies)

Name: Vertex Pharmaceuticals Incorporated

Internal Address: _____

Street Address: 130 Waverly Street

City: Cambridge State: MA ZIP: 02139-4242

3. Nature of conveyance:

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

Execution Date(s): April 24, 2002

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4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date(s) of the application is/are:

and the attorney docket number is: _____

A. Patent Application No.(s)

10/134,361

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

50th Floor

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
☒ Charge excess/credit overpayment to deposit account

8. Deposit account number:

06-1075

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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.

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Name of Person Signing

Denise Bergin

Signature

1/21/04

Date

Reg. No. 50,581

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

7

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 014922 FRAME: 0583

PCT
ASSIGNMENT

I/We,

(1) Michael Robin Hale,

residing, respectively, at

(1) 42 Sunset Road
Bedford, Massachusetts 01730, U.S.A.,

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: PYRAZOLE DERIVED KINASE INHIBITORS, and designating Albania (AL), Algeria (DZ), Antigua & Barbuda (AG), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Barbados (BB), Belarus (BY), Belgium (BE), Belize (BZ), 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), Colombia (CO), Congo (CG), Costa Rica (CR),
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Czech Republic (CZ), Democratic People's Republic of
Korea (KP), Denmark (DK), Dominica (DM), Ecuador (EC),
Equatorial Guinea (GQ), 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
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(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), Oman (OM), the Philippines (PH),
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), Tunisia (TN), 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), Zambia
(ZM) and Zimbabwe (ZW), and all other PCT countries,
[subsequently identified as International Patent

Application _____, filed _____*], including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefore; (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 priority in any country of the world, in and to the following priority application(s):

<u>60/287,039</u>	<u>U.S.A.</u>	<u>27 April 2001</u>
application no.	country	filing date

* 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.

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 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:

Michael R Hale
Michael Robin Hale (1)

On this 24 day of April, 2002,
Michael Robin Hale, (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.

Phyllis C. Tobey
Notary Public

PHYLLIS C. TOBEY
Notary Public
My Commission Expires May 2, 2004