

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|-------------------------------------|---------------|-------------------------------------|--------------------|--------------------|----------------|------------|----------------|---------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Francesco Salituro</td> <td>03/19/2001</td> </tr> <tr> <td>Guy Bemis</td> <td>03/19/2001</td> </tr> <tr> <td>Ghotas Evindar</td> <td>03/20/2001</td> </tr> </tbody> </table> | | Name | Execution Date | Francesco Salituro | 03/19/2001 | Guy Bemis | 03/19/2001 | Ghotas Evindar | 03/20/2001 | | |
| Name | Execution Date | | | | | | | | | | |
| Francesco Salituro | 03/19/2001 | | | | | | | | | | |
| Guy Bemis | 03/19/2001 | | | | | | | | | | |
| Ghotas Evindar | 03/20/2001 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Vertex Pharmaceuticals Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>130 Waverly Street</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139-4242</td> </tr> </table> | | Name: | Vertex Pharmaceuticals Incorporated | Street Address: | 130 Waverly Street | City: | Cambridge | State/Country: | MASSACHUSETTS | Postal Code: | 02139-4242 |
| Name: | Vertex Pharmaceuticals Incorporated | | | | | | | | | | |
| Street Address: | 130 Waverly Street | | | | | | | | | | |
| City: | Cambridge | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 02139-4242 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 2 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6635644</td> </tr> <tr> <td>Patent Number:</td> <td>7169779</td> </tr> </tbody> </table> | | Property Type | Number | Patent Number: | 6635644 | Patent Number: | 7169779 | | | | |
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| Patent Number: | 6635644 | | | | | | | | | | |
| Patent Number: | 7169779 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number:</p> <p>Phone: 6504724068</p> <p>Email: droise@vplawgroup.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: David A. Roise</p> <p>Address Line 1: 555 Bryant Street, Suite 820</p> <p>Address Line 2: VLP Law Group LLP</p> <p>Address Line 4: Palo Alto, CALIFORNIA 94301</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | VPI/98-11/2 | | | | | | | | | | |
| NAME OF SUBMITTER: | David A. Roise | | | | | | | | | | |

OP \$80.00 6635644

Total Attachments: 12

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PCT
ASSIGNMENT

I/We,

- (1) Francesco Salituro,
- (2) Guy Bemis, and
- (3) Ghotas Evindar,

residing, respectively, at

- (1) 25 Baker Drive
Marlborough, Massachusetts 01752 U.S.A.,
- (2) 256 Appleton Street
Arlington, Massachusetts 02476 U.S.A., and
- (3) 30 Charles Street W., Apt. 609
Toronto, Ontario M4& 1R5, Canada.,

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: "INHIBITORS OF p38," 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), 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), Kazakhstan (KZ), Kenya (KE), Kyrgyzstan (KG), Latvia (LV), Lesotho (LS), Liberia (LR), Lithuania (LT), Luxembourg (LU), Madagascar (MG), the 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) and Liechtenstein (LI), Tajikistan (TJ), United Republic of 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 priority in any country of the
world, in and to the following priority application(s):

| | | |
|--------------------|----------------------|-----------------------|
| <u>60/191,358</u> | <u>United States</u> | <u>March 22, 2000</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:

Francesco Salituro (1)
Francesco Salituro

Guy Bemis (2)
Guy Bemis

Ghotas Evindar (3)

On this 19th day of March, 2001,
Francesco Salituro (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.

Marion C. Marks
Notary Public **MARION C. MARKS**
Notary Public
My Comm. Expires July 10, 2003

On this 19th day of March, 2001,
Guy Bemis (2) personally appeared before me, a Notary
Public in and for the Commonwealth of Massachusetts, and
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me that such Assignment was executed for the uses and
purposes therein expressed.


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On this _____ day of _____, 2001,
Ghotas Evindar (3) personally appeared before me, a Notary
Public in and for the _____, and
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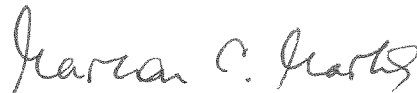
Notary Public

ACKNOWLEDGEMENT OF ASSIGNEE:

VERTEX PHARMACEUTICALS INCORPORATED

By: 
Andrew S. Marks
Chief Patent Counsel

On this 19th day of March, 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

MARION C. MARKS
Notary Public
My Comm. Expires July 10, 2003

PCT
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ASSIGNORS:

Francesco Salituro (1)

Guy Bemis (2)


Ghotas Evindar (3)

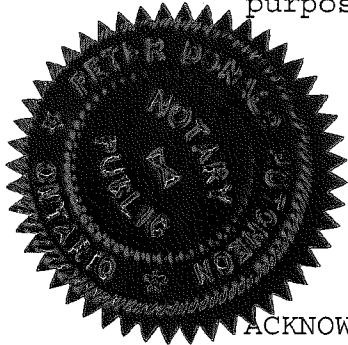
On this _____ day of _____, 2001,
Francesco Salituro (1) personally appeared before me, a
Notary Public in and for the Commonwealth of Massachusetts,
and executed the foregoing Assignment and duly acknowledged
to me that such Assignment was executed for the uses and
purposes therein expressed.

Notary Public

On this _____ day of _____, 2001,
Guy Bemis (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 20th day of March, 2001,
Ghotas Evindar (3) personally appeared before me, a Notary
Public in and for the Province of Ontario, and
executed the foregoing Assignment and duly acknowledged to
me that such Assignment was executed for the uses and
purposes therein expressed.



Ronald Hutchison

Notary Public

ACKNOWLEDGEMENT OF ASSIGNEE:

VERTEX PHARMACEUTICALS INCORPORATED

By: _____
Andrew S. Marks
Chief Patent Counsel

On this _____ day of _____, 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