

06-26-2001



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HEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings

To the Honorable Commissioner of P

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- A) Philip A. Beachy
- B) Michael K. Cooper
- C) Jeffrey A. Porter

6-7701

2. Name and address of receiving party(ies):

Name: Johns Hopkins University School of Medicine

Internal Address:

Street Address: 111 Market Street

Suite 906

City: Baltimore State: MD ZIP: 21202

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: February 28, 2001 (C) February 14, 2001

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/708,974

Additional numbers attached? Yes No

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

Name: Matthew P. Vincent

Internal Address: Ropes and Gray, LLP

Patent Group

Street Address: One International Place

City: Boston State: MA ZIP: 02110

6. Total number of applications and patents involved:

1

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

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

18-1945

DO NOT USE THIS SPACE

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.

David P. Halstead, Reg. No. 44,735

June 19, 2001

Name of Person Signing

Signature

Date

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

5

ASSIGNMENT

WHEREAS, we, Philip A. Beachy, of Ruxton, MD, Michael K. Cooper, of Baltimore, MD and Jeffrey A. Porter, of Belmont, MA have developed certain inventions described in a patent application entitled INHIBITORS OF HEDGEHOG SIGNALING PATHWAYS, COMPOSITIONS AND USES RELATED THERETO, filed on November 8, 2000 and having U.S. Application No. 09/708,974, having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE ("Assignee"), of Baltimore, a corporation of the State of Maryland, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

Philip A. Beachy
Philip A. Beachy

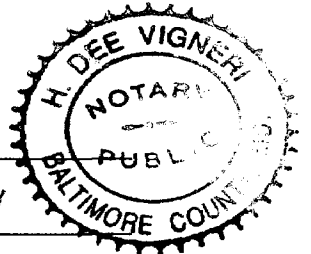
2/28/01
(Date)

for himself and as agent for Howard Hughes Medical Institute

State of Maryland)
County of Baltimore)

H. Dee Vigneri

Notary Public
My commission expires 10-01-01



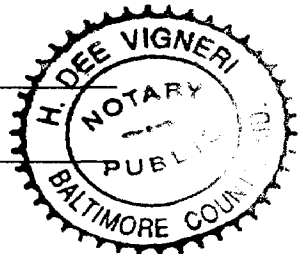
Michael K. Cooper
Michael K. Cooper

2/28/01
(Date)

State of Maryland)
County of Baltimore)

H. Dee Vigneri

Notary Public
My commission expires 10-01-01



Jeffrey A. Porter
Jeffrey A. Porter

2/14/01
(Date)

State of ~~Maryland~~ ^{Massachusetts})
County of Suffolk)

Margaret D. Rosa
Notary Public
My commission expires 3/10/06

MARGARET D. ROSA
Notary Public
My Commission Expires
3/10/06

ASSIGNMENT

WHEREAS, we, Philip A. Beachy , of Ruxton, MD, Michael K. Cooper, of Baltimore, MD and Jeffrey A. Porter, of Belmont, MA have developed certain inventions described in a patent application entitled INHIBITORS OF HEDGEHOG SIGNALING PATHWAYS, COMPOSITIONS AND USES RELATED THERETO, filed on November 8, 2000 and having U.S. Application No. 09/708,974, having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE (“Assignee”), of Baltimore, a corporation of the State of Maryland, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

Philip A. Beachy

(Date)

State of Maryland)
County of)

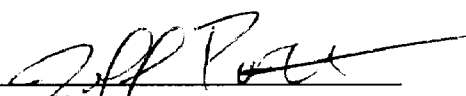
Notary Public
My commission expires _____

Michael K. Cooper

(Date)

State of Maryland)
County of)

Notary Public
My commission expires _____

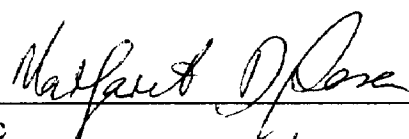


Jeffrey A. Porter

2/14/01

(Date)

State of ~~Maryland~~ ^{Massachusetts})
County of ~~Suffolk~~)



Notary Public
My commission expires 3/10/06

MARGARET D. ROSA
Notary Public
My Commission Expires
3/10/06