



11-16-2001



101897007

001107.00098

Form PTO-1592 (modified)

D  
H

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof:

1. Name of Conveying Party or Parties:

- 1. Nicholas Nicolaides
- 2. Philip Sass
- 3. Luigi Grasso

11-13-01

Additional Names of conveying party or parties attached?

Yes  No

2. Name and address of receiving party or parties:

Morphotek, Inc.  
3624 Market Street, 1<sup>ST</sup> Floor  
Philadelphia, PA 19104

Additional Name(s) and address(es) attached?  Yes  No

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other \_\_\_\_\_
- Merger
- Change of Name

Execution Date: 1. November 2, 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 Number(s):

09/780,675

Additional Name(s) and address(es) attached?  Yes  No

B. Patent Number(s):

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

Sarah A. Kagan  
Banner & Witcoff, Ltd.  
1001 G Street, N.W., Suite 1100  
Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account\*
- Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:

19-0733

Do Not Use this Space

11/15/2001 00000043 190733 09780675  
01 FC:581 40.00 CH

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.

Sarah A. Kagan, Reg. No. 32,141

Name of Person Signing

*Sarah A. Kagan*

Signature

11-13-01

Date

Total Number of Pages including Cover Sheet: 5

11-02-01 PWS  
Black Hawk

ASSIGNMENT

WHEREAS, WE, Nicholas Nicolaides, a U.S. citizen, residing at 4 Cider Mill Court, Boothwyn, PA 19601, Philip Sass, a U.S. citizen, residing at 1903 ~~Blackhawk~~ Circle, Audubon, PA 19403, and Luigi Grasso, a U.S. citizen, residing at 834 Chestnut Street, Apt. # 816, Philadelphia, Pennsylvania 19107, have invented along with Bert Vogelstein and Kenneth W. Kinzler "METHODS FOR GENERATING HYPERMUTABLE MICROBES" for which a provisional application was filed on February 11, 2000, and accorded U.S. Serial No. 60/181,929, and for which a provisional application was filed on June 13, 2000 and accorded Serial No. 60/211,183; and for which a utility application was filed on February 12, 2001, and accorded Serial No. 09/780,675; and

WHEREAS, Morphotek, Inc., a corporation duly organized under the laws of the State of Pennsylvania having a place of business in Philadelphia, Pennsylvania is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any Letters Patent of the United States or any foreign country which may be granted therefor;

NOW THEREFORE, for good and valuable consideration, we, Nicholas Nicolaides, Philip Sass, and Luigi Grasso, by these presents do sell, assign, and transfer unto Johns Hopkins University, its successors, legal representatives and assigns, our full right to the said invention as described in the said application, and our entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof;


AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patent to said assignee;

AND WE HEREBY warrant and covenant that we have full right to convey our entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

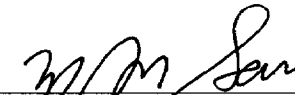
AND WE HEREBY agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said assignee to obtain and enforce said Letters Patent in the United States or any foreign country when requested so to do by said assignee.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Date: 11-02-01

Inventor:   
Nicholas Nicolaides

Date: 11-02-01

Inventor:   
Philip Sass

Date: 11-02-01

Inventor:   
Luigi Grasso

STATE OF            )  
                          ) ss  
COUNTY OF        )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me a Notary Public in and for the County and State aforesaid, personally appeared Nicholas Nicolaides, Philip Sass, and Luigi Grasso, to me known and known to me to be the persons of those names, who signed and sealed the foregoing instrument, and acknowledged the same to be their free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_