

01-02-2001



Form PTO-1592 (modified)

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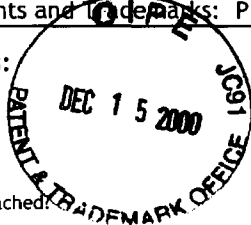
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof:

1. Name of Conveying Party or Parties:

Bert Vogelstein
Kenneth W. Kinzler

Additional Names of conveying party or parties attached?

☐ Yes ☒ No

2. Name and address of receiving party or parties:

The Johns Hopkins University
111 Market Place, Suite 906
Baltimore, Maryland 21202Additional Name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: November 28, 2000

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):

09/613,826

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:

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

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

8. Deposit Account No.:

19-0733 (in the event additional fees are required)

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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.

Sarah A. Kagan, Reg. No. 32,141
Name of Person Signing

Signature

December 12, 2000
Date

Total Number of Pages comprising Cover Sheet: 2

PATENT
REEL: 011372 FRAME: 0414

ASSIGNMENT

WHEREAS, We, Bert Vogelstein, citizen of the United States, residing at 3700 Breton Way, Baltimore, Maryland 21208, and Kenneth W. Kinzler, citizen of the United States, residing at 1403 Halkirk Way, BelAir, Maryland 21015; have invented certain new and useful improvements in "**DIGITAL AMPLIFICATION**", for which an application for Letters Patent of the United States was filed on July 11, 2000, and accorded Serial No. 09/613,826; and

WHEREAS, The Johns Hopkins University, a corporation duly organized under the laws of the State of Maryland having a place of business in Baltimore, Maryland, 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, the said Bert Vogelstein, and Kenneth W. Kinzler by these presents do sell, assign, and transfer unto The Johns Hopkins University, its successors, legal representatives and assigns, the full and exclusive right to the said invention as described in the said application, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor 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 the 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: 11/28/00

Inventor:

11/28/00
Bert Vogelstein

Date: 11/28/00

Inventor:

Kenneth W. Kinzler
Kenneth W. Kinzler

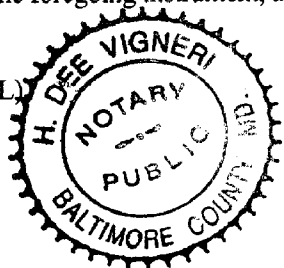
STATE OF MARYLAND)

) ss

COUNTY OF BALTIMORE)

On this 28 day of November, 2000, before me a Notary Public in and for the County and State aforesaid, personally appeared Bert Vogelstein, and Kenneth W. Kinzler, 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)



H. Dee Vigneri
Notary Public

My Commission Expires:

10-01-01

RECORDED: 12/15/2000

PATENT
REEL: 011372 FRAME: 0415