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To the Honorable Commissioner of Talento and Haustians	1,09 ached original documents or copy thereof.
Name of conveying party(ies)  Victor Velculescu	Name and address of receiving party(ies)
Andrew Sparks Kenneth W. Kinzler  JAN 0 9 2002	Name: The Johns Hopkins University
Bert Vogelstein _ q _ 0 2 RADEMAN STATE MARK STATE MAR	Internal Address:
3. Nature of conveyance:	Street Address: 111 Market Street
	Suite 900
☐ Security Agreement ☐ Change of Name	City: Baltimore State: MD Zip: 21201
Other	Additional Name(s) & address(es) attached? ☐ Yes ☒ No
Execution Date: November 15, 16 and 18, 2001	
A. Patent Application No.(s) 09/916,228  Additional numbers att	B. Patent No.(s)  ached? ☐ Yes ⊠ No
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
Name: Sarah A. Kagan	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address:	☐ Enclosed
	Authorized to be charged to deposit account
	Deposit account number:
Street Address: Banner & Witcoff, Ltd.	19-0733
	(Attach duplicate copy of this page if paying by deposit account)
City. Washington	E THIS SPACE
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g. 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  Signature  Signature  Signature  Signature	
Name of Person Signing	Signature

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

## **ASSIGNMENT**



218 N. CHARLES AFT. 912

21201 WIJEREAS WE Vistor Valouloson a L.S. citizen residing at L.E. Chara Street Anadraset

WHEREAS, WE, Victor Velculescu, a U.S. citizen, residing at 1 E. Chase Street, Apartment 903, Baltimore, Maryland 21202. Andrew Sparks, a U.S. citizen, residing at 5 Pinewall Place, 1B, Baltimore, 47 RANCED MD 21236; Kenneth W. Kinzler, a U.S. citizen, residing at 1403 Halkirk Way, Bel Air, Maryland 21015; and WALTHAM Bert Vogelstein, a U.S. citizen, residing at 3700 Brenton Way, Baltimore, Maryland 21208, have invented "SERIAL ANALYSIS OF TRANSCRIPT EXPRESSION USING LONG TAGS" for which provisional applications were filed on July 28, 2000, accorded U.S. Serial No. 60/221,556 and on September 18, 2000, accorded U.S. Serial No. 60/233,431, and for which an application for Letters Patent of the United States was filed on July 27, 2001, and accorded U.S. Serial No. 09/916,228; 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 our 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 Victor Velculescu, Andrew Sparks, Kenneth W. Kinzler, and Bert Vogelstein, by these presents do sell, assign, and transfer unto The 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, including all priority rights for other countries arising there from, 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: Victor Velculescu

Inventor: Andrew Sparks

Date: VICTOR Velculescu

Inventor: Andrew Sparks

Inventor: Kenneth W. Kinzler

Date: Victor Velculescu

Inventor: Andrew Sparks

Bert Vogelstein

PATENT
RECORDED: 01/09/2002 REEL: 012486 FRAME: 0394