505859435 01/11/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bert Vogelstein	11/06/2001
Kenneth W. Kinzler	11/06/2001

RECEIVING PARTY DATA

Name:	THE JOHNS HOPKINS UNIVERSITY
Street Address:	3400 N. CHARLES STREET
City:	BALTIMORE
State/Country:	MARYLAND
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PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11360995
Application Number:	11930391

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NAME OF SUBMITTER:	NIKKI KRAHLER
SIGNATURE:	/Nikki Krahler/
DATE SIGNED:	01/11/2020

Total Attachments: 2

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PATENT 505859435 REEL: 051487 FRAME: 0814

ASSIGNMENT

WHEREAS, WE, Bert Vogelstein, a U.S. citizen, residing at 3700 Brenton Way, Baltimore, MD 21208 and Kenneth W. Kinzler, a U.S. citizen, residing at 1403 Halkirk Way, Bel Air, MD 21015; have invented along with Nicholas C. Nicolaides, Philip M. Sass, and Luigi Grasso "METHODS FOR GENERATING HYPERMUTABLE MICROBES" for which a provisional application was filed on February 11, 2000, and accorded Serial No. 60/181,929; and for which a provisional application was filed on June 13, 2000 and accorded a 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, 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, Bert Vogelstein and Kenneth W. Kinzler, 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 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: N (0) Inventor: Bert VOGELSTEIN

Date: Inventor: Kenneth W. KINZLER

STATE OF MARYLAND)	
CITY OF BALTIMORE) SS	
KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
On this <u>6th</u> day of <u>November</u> , 2001, before me a Notary Public is County and State aforesaid, personally appeared Bert Vogelstein and Kenneth W. k known to be the persons of those names, who signed and sealed the foregoing insacknowledged the same to be their free act and deed.	Kinzler, to me
(SEAL) **Barbara a.** Notary Public	Les
My Commission Expires: September 1, 2005	5