PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICHOLAS NICOLAIDES	11/02/2001
PHILIP SASS	11/02/2001
LUIGI GRASSO	11/02/2001

RECEIVING PARTY DATA

Name:	MORPHOTEK, INC.	
Street Address:	reet Address: 210 WELSH POOL ROAD	
City:	ity: EXTON	
State/Country:	te/Country: PENNSYLVANIA	
Postal Code:	19341	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11128420
Application Number:	12728958

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	101937.000477 & 006227
NAME OF SUBMITTER:	FAITH A. POORE
SIGNATURE:	/Faith A. Poore/
DATE SIGNED:	06/20/2018

Total Attachments: 2

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PATENT 504969645 REEL: 046149 FRAME: 0299

<u>ASSIGNMENT</u>

Black Hawk

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 "METHOD FOR GENERATING HYPERMUTABLE PLANTS" for which a provisional application was filed August 31, 1999, and accorded Serial No. 60/151,624; and for which a provisional application was filed on February 18, 2000, and accorded Serial No. 60/183,333; and for which a utility application was filed on December 28, 2000, and accorded Serial No. 09/749,601; 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 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, Nicholas Nicolaides, Philip Sass, and Luigi Grasso, by these presents do sell, assign, and transfer unto Morphotek, Inc., 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: 1(-02-0(Inventor: Nicholas Nicolaides
Date: /1-02-01	Inventor: Philip Sass
Date: 11/02/01	Inventor: Luigi Grasso

STATE OF)	
COUNTY OF) ss)	•
County and State Grasso, to me know	aforesaid, personall own to be the personal	, 2001, before me a Notary Public in and for the y appeared Nicholas Nicolaides, Philip Sass, and Luigins of those names, who signed and sealed the foregoing e to be their free act and deed.
(SEAL)		
		Notary Public
	My	Commission Expires

PATENT REEL: 046149 FRAME: 0301

RECORDED: 06/20/2018