504503432 08/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4550136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT E. BETZIG	07/11/2011

RECEIVING PARTY DATA

Name:	HOWARD HUGHES MEDICAL INSTITUTE
Street Address:	19700 HELIX DRIVE
City:	ASHBURN
State/Country:	VIRGINIA
Postal Code:	20147

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	13844405
Application Number:	14215912
Application Number:	14215955
Application Number:	14215976
Application Number:	14216015
Application Number:	14216039

CORRESPONDENCE DATA

Fax Number: (202)470-6464

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.

Phone: 2024706461

Email: becky@brakehughes.com

Correspondent Name: BRAKE HUGHES BELLERMANN LLP

Address Line 1: C/O CPA GLOBAL

Address Line 2: 900 2ND AVE SOUTH, SUITE 600
Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	0071-002004
NAME OF SUBMITTER:	MARK R.W. BELLERMANN
SIGNATURE:	/MARK R. W. BELLERMANN/
DATE SIGNED:	08/15/2017

PATENT 504503432 REEL: 043293 FRAME: 0693

Total Attachments: 2

source=0071-002001_assignment_executed#page1.tif source=0071-002001_assignment_executed#page2.tif

PATENT REEL: 043293 FRAME: 0694

ASSIGNMENT

WHEREAS, I, ROBERT E. BETZIG, residing at 17855 Leeland Orchard Road, Leesburg, VA 20176, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States entitled BESSEL BEAM PLANE ILLUMINATION MICROSCOPE;

WHEREAS, We hereby authorize and request our attorneys, as listed on the Combined Declaration and Power of Attorney, at Brake Hughes Bellermann LLP, to insert here in parentheses (Ser. No. <u>13/160,492</u>; Filing Date: <u>June 14, 2011</u>) the filing date and application number of said application when known.

AND WHEREAS, <u>Howard Hughes Medical Institute</u>, a corporation organized and existing under and by virtue of the laws of the State of <u>Delaware</u>, and having an office and place of business at <u>19700 Helix Drive</u>, <u>Ashburn</u>, <u>VA 20147</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

PATENT REEL: 043293 FRAME: 0695

Assignment Attorney Docket No. 0071-002001 Page 2 of 2

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this !!

y of 9. July . 2011.

Robert E. Betzig

PATENT REEL: 043293 FRAME: 0696

RECORDED: 08/15/2017