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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NATURE OF CONVEYAN		NEW ASSIGNMENT		
NATURE OF CONVEYAN		NEW ASSIGNMENT		
		ASSIGNMENT		
CONVEYING PARTY DA	ATA			
		Name	Execution Date	
HOWARD HUGHES ME	DICAL IN	STITUTE	05/24/2010	
RECEIVING PARTY DA	TA			
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City:	Cambridge			
State/Country:	MASSACHUSETTS			
Postal Code:	02138			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number: 1482		4821569		
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SIGNATURE:		/K.S./	/K.S./	
DATE SIGNED:		02/19/2019	02/19/2019	
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ASSIGNMENT

Assignor: HOWARD HUGHES MEDICAL INSTITTUE 4000 Jones Bridge Road Chevy Chase, MD 20815

Assignee: PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 Quincy Street Cambridge, MA 02138

WHEREAS, I, Xiaowei Zhuang, of Lexington, MA, as a duly appointed agent of Howard Hughes Medical Institute (HHMI), have developed certain inventions described in International PCT Patent Application No. PCT/US2008/013915 filed 12/19/2008, entitled: "Sub-diffraction Limit Image Resolution in Three Dimensions" which claims priority to Provisional Patent Application No. 61/008,661 filed12/21/2007, entitled: "Sub-diffraction Limit Image Resolution in Three Dimensions", having full right to convey HHMI's entire right, title, and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, PRESIDENT AND FELLOWS OF HARVARD COLLEGE ("Assignee"), a non-profit corporation of the state of Massachusetts, having its principal place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, is desirous of acquiring the entire right, title, and interest in and to said invention or inventions and any and all patents to be obtained therefore;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledge by the undersigned does hereby sell, assign, transfer, and set over unto said Assignee, its successors and assigns, HHMI's entire right, title, and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title,

and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agrees, without any further payment or compensation by said Assignce or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence of interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; executed and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country,

IN TESTIMONY WHEREOF, the undersigned had hereunto set his/her hand and seal on the date after his/her signature.

Zhuane

Witness Signature

Witness's Printed Name

Date

RECORDED: 02/19/2019