PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

Name	Execution Date
Michael J. Hochberg	09/08/2009
Tom Baehr-Jones	09/08/2009

RECEIVING PARTY DATA

Name:	UNIVERSITY OF WASHINGTON
Street Address:	1107 N.E. 45th Street
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98105

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12511201

CORRESPONDENCE DATA

Fax Number: (617)734-6037

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617-699-9909 Phone:

Email: joseph.milstein@mzwiplaw.com Correspondent Name: Milstein Zhang & Wu LLC Address Line 1: 49 Lexington Street, Suite 6

Newton, MASSACHUSETTS 02465-1062 Address Line 4:

ATTORNEY DOCKET NUMBER: UWA8132P.1US

NAME OF SUBMITTER: Joseph B. Milstein

Total Attachments: 3

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PATENT

JOINT ASSIGNMENT

WE, Michael J. Hochberg and Tom Baehr-Jones, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

BEAM GENERATION AND STEERING WITH INTEGRATED OPTICAL CIRCUITS FOR LIGHT DETECTION AND RANGING

and further identified by Attorney Docket Number UWA8132P.1US which application for patent was filed on July 29, 2009 and has been assigned Serial No. 12/511,201 by the United States Patent and Trademark Office.

For valuable consideration given to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to the University of Washington, and having a principal place of business at 1107 N.E. 45th Street, Seattle, Washington 98105 USA, (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the 'application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, each of the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

Each of the undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any

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Joint Assignment US Serial No. 12/511,201 Attorney Docket No. UWA8132P.1US

divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each of the undersigned hereby grants to any duly empowered legal representative, including all patent practitioners associated with Customer Number 88993, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

Executed at Scattle (city), What (state), this day of Michael J. Hochberg

STATE OF WAShington)

SS.

COUNTY OF King)

On this 8 day of September, 2009, Michael J. Hochberg personally appeared before me, to me known or proven to be the individual named above who executed the within and foregoing instrument, and acknowledged that the individual signed the same as a free and voluntary act and deed, for the uses and purposes therein mentioned.

(SEAL)

FISAS PARALLES OF WASHINGTON

Signature

Haren L. Fisher

Typed or Printed Name of Notary Public

Notary Public in and for the State of WASh) Notary

Residing at 2248 NG 98 Nd 51. #213, Seattle, WA 98115

My commission expires 31312012

Joint Assignment US Serial No. 12/511,201 Attorney Docket No. UWA8132P.1US

Sep Executed at Senttle (city)	, \sqrt{A} (state), this _	day of
	Auto	
	Tom Baehr-Jones	
STATE OF WASKING TON) SS. COUNTY OF HINGE)		
COUNTY OF KENGY		
On this day of Septembee, me known or proven to be the individual named acknowledged that the individual signed the same therein mentioned.	as a free and voluntary act and deed, for the t	g instrument, and
(SEAL)	Signature Haven L. Fisher Typed or Printed Name of Notary Public	
annum man	Notary Public in and for the State of WASK)	vate N
MARINEN L. FLOWING	Residing at 3830 NE 90 Nd ST. =	taiz seathe, wa 98115
STANDARD OF THE STANDARD OF TH	My commission expires 3 3 8012	· ·