501838634 03/01/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John A. Shaw	02/29/2012
Christopher Burton Churchill	02/02/2012

RECEIVING PARTY DATA

Name:	The Regents of the University of Michigan	
Street Address:	3003 S. State Street	
City:	Ann Arbor	
State/Country:	MICHIGAN	
Postal Code:	48109	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13340964

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: P016031-RD-SDJ/GM2388PUS

NAME OF SUBMITTER: Christopher W. Quinn

Total Attachments: 3

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PATENT

REEL: 027791 FRAME: 0465

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United States and Foreign (Joint)

Case: 5286utl

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, and to perfect the ownership of the Regents as established under Regents Bylaw 3.10 of the University of Michigan, we, <u>John A. Shaw and Christopher Burton Churchill</u>, residing at 6700 Wheeler Road, Dexter, MI 48130 and 200 Briarcrest Drive, Unit 121, Ann Arbor, MI 48104, respectively, hereby sell, assign and transfer to The Regents of the University of Michigan, a not-for-profit organization duly organized and existing under the laws of the State of Michigan as assignee, and its successors, assigns and legal representatives, our entire right, title and interest for the patent application having a Serial Number of 13/340,964 and a filing date of <u>December 30, 2011</u> and any application claiming priority thereto; any continuation, continuation-in-part, divisional, re-examination, reissue or prolongation thereof; and all the rights and privileges under any United States Letters Patent and all foreign Letters Patent that may be granted therefor, including the inventions described therein. We hereby grant permission for the attorney of record to insert the filing information into this agreement.

We request that any and all United States and foreign patents for the inventions be issued to the assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

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We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Signed:	
John A. Shaw	
Signed: Mins Murcha Christopher Burton C	Churchill
STATE OF)) ss.
COUNTY OF)
On this 2 day of Felome, Steven W. Ho	$\frac{12}{12}$, personally appeared before $\frac{1}{12}$, to me known to be the persons who
executed the above instrument and a	cknowledged that he executed the same for the uses
and purposes therein mentioned.	fe fland
	Notary Public
	My Commission Expires:

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We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Signed:	h-a	Jan
	John A. Shaw	
Signed:	***************************************	
	Christopher Burtor	Churchill

COUNTY OF YOLD)ss.

On this 29 day of 10 rucky, 20 12 personally appeared before me, 10 m H. Jhaw to me known to be the persons who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

My Commission Expires: 03/1\$/20/4

LAURA CHRISTENSEN
Commission # 1880375
Notary Public - California
Yolo County
My Comm. Expires Mar 15, 2014

PATENT REEL: 027791 FRAME: 0468

RECORDED: 03/01/2012