

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Frank E. Carroll	09/19/2008
RECEIVING PARTY DATA	
Name:	MXISYSTEMS, Inc.
Street Address:	7226 White Oak Drive
City:	Fairview
State/Country:	TENNESSEE
Postal Code:	37062
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12244219
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-842-7800
Email:	aoconnor@cooley.com
Correspondent Name:	COOLEY GODWARD KRONISH LLP ATTN: Patent
Address Line 1:	Suite 1100
Address Line 2:	777 - 6th Street, NW
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20001
ATTORNEY DOCKET NUMBER:	MXIS-002/01US 139515-2010
NAME OF SUBMITTER:	Christopher R. Hutter
Total Attachments: 3 source=MXIS-002_01US-Assignment#page1.tif source=MXIS-002_01US-Assignment#page2.tif source=MXIS-002_01US-Assignment#page3.tif	

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REEL: 021624 FRAME: 0373

Attorney Docket No: MXIS-002/01US 139515-2010

PATENT

ASSIGNMENT
(Sole)

Frank E. Carroll, residing at 1216 Vintage Place, Nashville, Tennessee 37215 (referred to as "Assignor") has made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **DYNAMICALLY-VARIED BEAM ENERGY USING A TUNABLE MONOCHROMATIC X-RAY BEAM**, and which is a:

- (1) ☐ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
 - (a) ☒ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on .

WHEREAS, MXISYSTEMS, Inc., a corporation duly organized under and pursuant to the laws of Tennessee, and having its principal place of business at 7226 White Oak Drive, Fairview, TN 37062 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon. -

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty;

- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD KRONISH L.L.P. to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 9/19/08

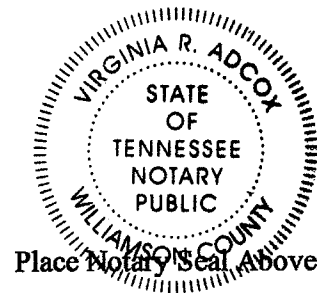
By: Frank E. Carroll
Frank E. CARROLL

State of Tennessee)
) ss.
County of Williamson)

On September 19, 2008, before me, Virginia R Adcox,
Notary Public, personally appeared Frank E. Carroll, personally known to me or proved
to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed
the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on
the instrument the person(s), or the entity upon behalf of which the person(s) acted,
executed the instrument.

WITNESS my hand and official seal.

Virginia R Adcox
Signature of Notary Public



My Commission Expires: May 31, 2011