PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Matthew Straayer	09/12/2007
Michael Perrott	09/12/2007

RECEIVING PARTY DATA

Name:	Massachusetts Institute of Technology
Street Address:	77 Massachusetts Avenue
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11854615

CORRESPONDENCE DATA

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Marlborough, MASSACHUSETTS 01752 Address Line 4:

ATTORNEY DOCKET NUMBER: MIT-027 (12136)

William G. Guerin NAME OF SUBMITTER:

Total Attachments: 2

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PATENT REEL: 019851 FRAME: 0755

ASSIGNMENT

WHEREAS, we, Matthew Straayer and Michael Perrott, have invented one or more improvements in:

GATED RING OSCILLATOR FOR A TIME-TO-DIGITAL CONVERTER WITH SHAPED QUANTIZATION NOISE

escribed in an application (or provisional application) for Letters Patent of the United States:	
identified by Attorney Docket No, and/or executed by us of even dat erewith and about to be filed in the United States Patent Office;	e
identified by Serial No. <u>11/854,615</u> filed in the United States Patent Office on	
eptember 13, 2007.	

WHEREAS, Massachusetts Institute of Technology (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 77 Massachusetts Avenue, Cambridge, MA 02139 desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and we further

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hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:

latthew Straaye

County of Mille Clx) ss

Subscribed and sworn to before me, by the above-named Matthew Straayer this | Z day of September, 2007.

Notary Public

My Commission Expires:

KIRSTEN E. BARTON
NOTOLY Public
COMMONWEALTH OF MASSACHUSETTS

Inventor:

Michael Perrott

County of Massachusetts) ss

RECORDED: 09/20/2007

Subscribed and sworn to before me, by the above-named Michael Perrott this 12 day of September, 2007.

Notary Public

My Commission Expires:

6/6/2014



PATENT

REEL: 019851 FRAME: 0757