PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICOLAS LOUBET	06/03/2011
QING LIU	06/03/2011
PRASANNA KHARE	06/24/2011

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS, INC.
Street Address:	750 CANYON DRIVE
Internal Address:	SUITE 300
City:	COPPELL
State/Country:	TEXAS
Postal Code:	75019

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14309409

CORRESPONDENCE DATA

Fax Number: (617)646-8646

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617-646-8000

Email: ajordan@wolfgreenfield.com

Correspondent Name: JAMES MORRIS

Address Line 1: WOLF GREENFIELD & SACKS, P.C.

Address Line 2: 600 ATLANTIC AVE

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	S1022.71491US01
NAME OF SUBMITTER:	AMANDA JORDAN
SIGNATURE:	/amanda jordan/
DATE SIGNED:	06/20/2014

Total Attachments: 4

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> **PATENT REEL: 033146 FRAME: 0889** 502860490

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> PATENT REEL: 033146 FRAME: 0890

Serial Number: 14/309,409 Filing Date: June 19, 2014

Attorney's Docket No. S1022.71491US00

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby:

Sell, assign and transfer to STMicroelectronics Inc., a corporation having a place of business at Mail Station 2346, 750 Canyon Drive, Suite 300, Coppell, Texas 75019, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed on December 17, 2010 as serial No. 12/971,054 and entitled LAYER FORMATION WITH REDUCED CHANNEL LOSS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

The undersigned hereby grant(s) the firm of Wolf, Greenfield & Sacks, P.C., of 600 Atlantic Avenue, Boston, Massachusetts 02210 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 office for recordation of this document.

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ac/03/2011	1300
Date Inventor:	Nicolas Loubet
Address:	24 Knights Bridge Apt. D
	Guilderland, NY 12084
Citizenship:	France
STATE OF NEW YORK COUNTY OF ALBANY	
on 3 day of June, 20	1 afairs are the undersigned notory
On 3 day of 3 Nicolas Loubet	, before me, the undersigned notary , proved to me through satisfactory evidence
identification, which Driver's license	_, proved to me unough ourselvery every
to be the person who signed the preceding or attach	ned document in my presence and swore or
to me that the contents of the document are truthful	
and belief and acknowledged to me that he signed i	it voluntarily for its stated purpose.
LEO E. PALMER III NOTARY PUBLIC, STATE OF NEW YORK SEAL ALBANY COUNTY 01PA6082470 COMMISSION EXPIRES OCTOBER 28, 2014	Joseph
OUNIMICOTON EAFTHEO OUTOBER 25, 601	Notary Public
My commission expires:	October 78, 2014

	Citizenship:	People's Republic of China
STATE OF NEW YOR	RK	
	Albany:	
1		
On 3 rol d	lay of June, 20	// , before me, the undersigned notary
personally	Qing Liu	, proved to me through satisfactory evidence
identification, which	drive	r license,
to be the person who s	igned the preceding or attach	ed document in my presence and swore or
to me that the contents	of the document are truthful	and accurate to the best of his knowledge
and belief and acknow	ledged to me that he signed i	t voluntarily for its stated purpose.
NOTA	LEO E. PALMER III ARY PUBLIC, STATE OF NEW YORK	
SEAL A	LBANY COUNTY 01PA6082470	(ACCOUNT
COMMISS	SION EXPIRES OCTOBER 28, 2014	Notary Public
My commission expire	es:	October 28, 2014
-		

Inventor: Qing Liu

Address: 43F Knights Bridge

Guilderland, NY 12084

06/03/2011 Date

Inventor: Prasanna Rhare Address: 304 Polsinelli Drive Schenectady, New York 12303 Citizenship: India STATE OF NEW YORK COUNTY OF ALBANY On this Albany On this Prasanna Khare Prasanna Khare Prasanna Khare Prasanna Khare Proved to me through satisfactory evidence of identification, which were The Work Drives License to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. Kyle Chadwick Ty Public, State of New York Likense No. Of CH6182662 Sission Expires March 03, 2012 Notary Public My commission expires: O3/03/12	مدا ۸ ما م	•		
Address: 304 Polsinelli Drive Schenectady, New York 12303 Citizenship: India STATE OF NEW YORK COUNTY OF ALBANY On this Albany On this Prasanna Khare personally appeared Prasanna Khare identification, which were to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. Kyle Chadwick Kyle Chadwick Kyle Chadwick No. 61 Ch6132662 Ission Expires March 03, 2012 Notary Public Notary Public	6/24/11 Date		Inventor:	Prasanna Khare
STATE OF NEW YORK COUNTY OF ALBANY On this Jyth day of Sune, 2011, before me, the undersigned notary public, personally appeared personally appeared personally appeared to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. Kyle Chadwick or Public, State of New York with the Chadwick of the Chad	Date		Address:	304 Polsinelli Drive
STATE OF NEW YORK COUNTY OF ALBANY On this 24th day of Prasanna Khare personally appeared identification, which were to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. Kyle Chadwick ry Public, State of New York unalified in Albany County No. of CH6182662 ssion Expires March 03, 2012 Notary Public Prasanna Khare proved to me, the undersigned notary public, proved to me through satisfactory evidence of the through satisfac				Schenectady, New York 12303
On this			Citizenship:	India
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personally appeared Prasanna Khare personally appeared Prasanna Khare personally appeared Prasanna Khare person which were New York Drivers License to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose. Kyle Chadwick ry Public, State of New York Rualified in Albany County No. 01CH6182662 ssion Expires March 03, 2012 Notary Public			<u> </u>	
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Attorney Docket No. S1022.71491US00

RECORDED: 06/20/2014

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