Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008) U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION F	ORM COVER SHEET
PATEN'	TS ONLY
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Shengyuan Li Douglas Warren Dean	Name: Texas Instruments Incorporated
Induminì Ranmuthu	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes 🗹 N	
3. Nature of conveyance/Execution Date(s):	Street Address: 12500 Tl Boulevard - M/S 3999
Execution Date(s) May 26, 2011	
✓ Assignment Merger Security Agreement Change of Name	City: Dallas
Joint Research Agreement	State: Texas
Government Interest Assignment	State. 1exas
Executive Order 9424, Confirmatory License	Country: United States Zip: 75243
Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No
4. Application or patent number(s):	s document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
13/118,242	
Additional numbers a	I attached?
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved:_1
Name: John J. Patti	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: MS 3999	Authorized to be charged by credit card
	Authorized to be charged to deposit account
Street Address: P.O. Box 655474	Enclosed
	None required (government interest not affecting title)
City: Dallas	8. Payment Information
State: <u>Texas</u> <u>Zip:75265-5474</u>	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 972-917-4144	b. Deposit Account Number 20-0668
Fax Number: (972) 917-4418	
Email Address: j-patti@ti.com	Authorized User Name
9. Signature: /Guy K. Clinger/	June 2, 2011
Signature	Date
Guy K. Clinger Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

USPTO 6/6/2011 2:47:12 PM PAGE 3/006 Fax Server: JOHN J. PATTI COMPANY:MS 3999

To: MS Assignment Record Page 1 of 4

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OMB No. 0001-0027 (exp. 6/30/2008)	6/02/20	Chinad States Haterit and Tradenam Onice
		COVER SHEET
PA	TENTS	ONLY
To the Director of the U.S. Patent and Trademark C	Mice: Please re	ecord the attached documents or the new address(es) below.
 Name of conveying party(ies) 	2.	Name and address of receiving party(les)
Shengyuan Li Douglas Warren Dean	N	ame; Texas Instruments Incorporated
Indumini Ranmuthu	l In	iternal Address:
Additional name(s) of conveying party(les) attached?	vas V I No -	
3. Nature of conveyance/Execution Date(s):	variation and the second secon	treet Address: 12500 Tl Boulevard - M/S 3999
Execution Date(s) May 26, 2011		
✓ Assignment		
Security Agreement Change of	Name C	ity; <u>Delias</u>
Joint Research Agreement	S	tate: Texas
Government Interest Assignment		Construction on Electrical Character (Character Character)
Executive Order 9424, Confirmatory Licen	se	ountry: United States Zip:75243
Other	Ad	lditional name(s) & address(es) attached? ☐ Yes 🗹 No
4. Application or patent number(s):	This doc	cument is being filed together with a new application.
A. Patent Application No.(s)	ACP ASSESSMENT AND ACP ASSESSMEN	B. Patent No.(s)
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concerning document should be mailed:	lin	volved: 1
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Internal Address; MS 3999		Authorized to be charged by credit card
		Authorized to be charged to deposit account
Street Address: P.O. Box 655474		Enclosed
		None required (government interest not affecting title)
City: Dallas	8	. Payment Information
State: Texas Zip:75265-5474		a. Credit Card Last 4 Numbers
Phone Number:972-917-4144		Expiration Date
Fax Number: (972) 917-4418	***************************************	b. Deposit Account Number 20-0668
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/Guy K Signa	. Clinge <i>rl</i> ature	June 2, 2011 Date
Guy K. Clinger	-	Total number of cares including cover
Name of Person Signir	ng	sheet, attachments, and documents: 4

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Serial No. 13/118,242

Attorney Docket No. TI-70397

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	Current Driver Damping Circuit
SIGNATURE OF INVENTOR AND NAME	Shengyuan Li
DATE	5/26/2011
RESIDENCE (CITY AND STATE)	Irving, TX
DATE DECLARATION SIGNED	5/26/2011

T1-70397 Page 2

TITLE OF INVENTION	Current Driver Damping Circuit
SIGNATURE OF INVENTOR AND NAME	Douglas Warren Dean 5/26/11
DATE	5)26/11
RESIDENCE (CITY AND STATE)	Eagan, MN
DATE DECLARATION SIGNED	5/26/11
SIGNATURE OF INVENTOR AND NAME	Indumini Ranmuthu
DATE	
RESIDENCE (CITY AND STATE)	Plano, TX
DATE DECLARATION SIGNED	

After recording, return Assignment to:

Texas Instruments Incorporated PO Box 655474, M/S 3999 Dallas, TX 75265

TI-70397

Page 2

TITLE OF INVENTION	Current Driver Damping Circuit
SIGNATURE OF INVENTOR AND NAME	Douglas Warren Dean
DATE	
RESIDENCE (CITY AND STATE)	Eagan, MN
DATE DECLARATION SIGNED	

SIGNATURE OF INVENTOR AND NAME	Indumini Ranmuthu
DATE	5/26/11
RESIDENCE (CITY AND STATE)	Plano, TX
DATE DECLARATION SIGNED	5/26/11

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To: MS Assignment Record Page 2 of 4

2011-06-02 19:43:34 (GMT)

17203675411 From: Guy Clinger

Serial No. 13/118,242

Atlamey Dacket No. TI-70397

ASSIGNMENT

WHEREAS I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, beying invented certain new and useful improvements as below entited, for which application for United States Letters Patent is made, the said application having been executed on the state set to the below, and

WHEREAS, TEXAS INSTRUMENTS INCOMPORATED, a corporation organized and existing under the laws of the State of Celavore, with a place of business at 7839 Churchill Way, M/S 3939, Dallas, Texas, 75251, is destrous of acquiring my entire right, the and interest in and to the sale invention, and to the sale invention, and to the sale invention, and to the sale invention.

NOW: THEREFORE, for good and valuable consideration, the receipt of which is hiereby addressled, I hereby self and earlight to the said TEXAS INSTRUMENT'S INCORPORATED, its successors and assigns my entire tight, the and interest in and to the said invention and in to the said application; and all patents which may be granted therefor, and elidications, insisted substitutions, continuations, and extensions thereof, and I hereby substitute and request the Commissioner of Patents and Trademarks to issue all patents to lead mention, or patent insuling interestors, inside, as my interest is concerned. In the said TEXAS INSTRUMENTS INCORPORATED, as assigned of my order right, the and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application; in all countries of the world. Including the right to the applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications; assignments, afficients, and any other papers in connection therewith necessary to podred such patent rights.

It hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and regal representatives, any face known to me respecting said invention, and at the expense of said assigned company, restry in any logal proceedings, sign at leading appears, execute all divisional, continuation, relative and appears in the efficiency of the proceedings and leading to everything poyable to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent projection for said invention in all countries.

IN WITNESS WITEREOF, I here unto set hand and seal this day and year,

INVENTION TITLE	Current Driver Damping Circuit
SIGNATURE OF NYENTON AMEN GMA	Shengyuan U
DATE	\$ / = 4 / 2011
RESIDENCE (CITY AND STATE)	fr/deg, TX
DATE DECLARATION SIGNED	5/ = 6/ 264

To: MS Assignment Record Page 9 of 10 2011-06-06 21:25:15 (GMT) 17203675411 From: Guy Clinger

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To: MS Assignment Record Page 3 of 4 2011-08-02 19:43:34 (GMT) 17203675411 From: Guy Clinger

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TITLE OF INVENTION	Current Driver Damping Circuit
GIGNATURE OF INVENTOR AND NAME	Cougles Warren Ossa
OATE	
RESIDENCE (CITY AND STATE)	
DEGLARATION SIGNED	

SIGNATURE OF RIVENTOR AND WASS	Andrew Represent
DATE	
RESIDENCE (CITY AND STATE)	
DATE DECLARATION SIGNED	

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Texas Instruments Incorporated PO Box 656474, M/S 1999 Calles, TX 78265

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To: MS Assignment Record Page 4 of 4

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TALE OF INVENTION	Gurrent Oriver Damping Circuit
SIĞNATURE EF INVENTOR AND NAME	Douglas Warren Dean
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PATE	S/SE/H
RESIDENCE (OITY AND STATE)	Manc. √>
DATE DECLARATION SIGNED	

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RECORDED: 06/06/2011

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