

07-11-2005



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RECORDATION FORM COVER SHEET PATENTS ONLY

119277 U.S. PTO
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Document ID#

Correction of PTO Error
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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

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Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)	<input type="text" value="Stefan W. Wiktor"/>	Execution Date Month Day Year	<input type="text" value="05252005"/>
Name (line 2)	<input type="text"/>		
Second Party		Execution Date Month Day Year	
Name (line 1)	<input type="text" value="Vladimir A. Muratov"/>		<input type="text" value="05262005"/>
Name (line 2)	<input type="text"/>		

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PATENTS ONLY

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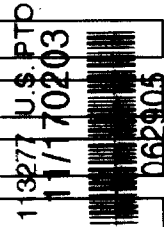
Name (line 2)

Name (line 1)

Name (line 2)

Name (line 1)

Name (line 2)



Execution Date
Month Day Year

Execution Date
Month Day Year

Execution Date
Month Day Year

Receiving Party

Mark if additional names of receiving parties attached

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Name (line 2)

Address (line 1)

Address (line 2)

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Name (line 2)

Address (line 1)

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

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Address (line 3)

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Patent Application Number(s)

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If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Donald D. Mondul



June 29, 2005

Name of Person Signing

Signature

Date

ASSIGNMENT

Page 1 of 1

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


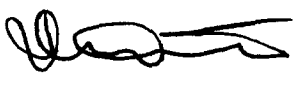

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said 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 International 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	APPARATUS AND METHOD FOR DRIVING A PULSE WIDTH MODULATION REFERENCE SIGNAL		
SIGNATURE OF INVENTOR AND NAME	 Stefan W. Wiktor	 Vladimir A. Muratov	 Xuening Li
DATE	5/25/05	5/26/2005	5/25/05
RESIDENCE (City, County, State)	Raleigh, Wake County, North Carolina	Manchester, Hillsborough County, New Hampshire	Cary, Wake County, North Carolina
DATE APPLICATION EXECUTED			