

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Texas Instruments Japan, Ltd.</td><td>03/05/2010</td></tr><tr><td>Masaki Yamashita</td><td>03/01/2010</td></tr><tr><td>Chisako Ota</td><td>03/03/2010</td></tr><tr><td>Nobuhiko Wasa</td><td>03/03/2010</td></tr></tbody></table>		Name	Execution Date	Texas Instruments Japan, Ltd.	03/05/2010	Masaki Yamashita	03/01/2010	Chisako Ota	03/03/2010	Nobuhiko Wasa	03/03/2010
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Texas Instruments Japan, Ltd.	03/05/2010										
Masaki Yamashita	03/01/2010										
Chisako Ota	03/03/2010										
Nobuhiko Wasa	03/03/2010										
RECEIVING PARTY DATA											
Name:	Texas Instruments Incorporated										
Street Address:	P. O. Box 655474										
Internal Address:	M/S 3999										
City:	Dallas										
State/Country:	TEXAS										
Postal Code:	75265										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12720950</td></tr></tbody></table>		Property Type	Number	Application Number:	12720950						
Property Type	Number										
Application Number:	12720950										
CORRESPONDENCE DATA											
Fax Number: (972)917-4417 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	TIJ-68202										
NAME OF SUBMITTER:	Dawn V. Stephens										

CH \$40.00 12720950

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PATENT  
REEL: 024058 FRAME: 0375

Total Attachments: 4

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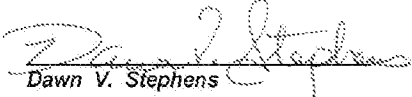
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FORM PTO-1595

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  Texas Instruments Japan, Ltd. (03/05/2010) Masaki Yamashita (03/01/2010) Chisako Ota (03/03/2010) Nobuhiko Wasa (03/03/2010)  Additional name(s) & address(es) Attached? ____ Yes <u>X</u> No	2. Name and Address of receiving party(ies):  Name: <i>Texas Instruments Incorporated</i>  Address: <i>P. O. Box 655474, M.S. 3999</i>  City: <i>Dallas</i>  State: <i>Texas</i> Zip: <i>75265</i>  Additional name(s) & address(es) Attached? ____ Yes <u>X</u> No
3. Nature of Conveyance:  <input checked="" type="checkbox"/> <i>Assignment</i> ____ Merger ____ Security Agreement                      ____ Change of Name ____ Other  Execution Date: <u>March 1, 2010, March 3, 2010, and March 5, 2010</u>	
4. Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of the application is: <u>March 1, 2010, and March 3, 2010</u>  A. Patent Application No.(s)                      B. Patent No.(s)   Additional numbers attached? ____ Yes <u>X</u> No                      Additional numbers attached? ____ Yes <u>X</u> No	
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <i>Dawn V. Stephens</i>  Address: <i>Texas Instruments Incorporated</i> <i>P. O. Box 655474, M.S. 3999</i> City: <i>Dallas</i>  State: <i>Texas</i> Zip: <i>75265</i>	6. Number of applications and patents involved: <u>1</u>   7. Amount of fee enclosed or authorized to be charged: <u>\$40.00</u> 8. Texas Instruments Incorporated, Account Number: <u>20-0668</u>
DO NOT USE THIS SPACE	
9. Statement and signature.  <i>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.</i>  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             Dawn V. Stephens         </div> <div style="text-align: center;"> <u>44,355</u>            Registration Number         </div> <div style="text-align: center;"> <u>5/10/2010</u>            Date         </div> </div> <div style="text-align: right; margin-top: 10px;">           Total number of pages including cover sheet, attachments and document: <u>4</u> </div>	

## ASSIGNMENT

**WHEREAS, TEXAS INSTRUMENTS JAPAN, LTD.** (hereinafter **TIJ**), a Japanese company having its headquarters at 24-1 Nishi-Shinjuku 6-chome, Shinjuku-ku, Tokyo, Japan, under the laws of Japan made application, in its own name, for Letters Patent in Japan in respect of an invention as set forth below;

**WHEREAS,** the or each below named inventor (hereinafter **INVENTOR**) is the or an inventor of the said invention;

**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, Mail Station 3999, Dallas, Texas 75251, is desirous of acquiring our entire right, title and interest in and to the said invention outside of Japan, and in and to the U.S. patent application as identified hereinafter and any Letters Patent that may issue thereon;

**NOW, THEREFORE,** for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment,

**TIJ and INVENTOR** sell and assign to the said **TEXAS INSTRUMENTS INCORPORATED,** its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Japan; in and to the U.S. patent application executed as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the Paris Convention for the Protection of Industrial Property or any other relevant convention;

**TIJ and INVENTOR** hereby authorize and request the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **TIJ and INVENTOR** is concerned to the said **TEXAS INSTRUMENTS INCORPORATED,** as assignee of the entire right, title and interest.

**TIJ and INVENTOR** further agree to communicate to **TEXAS INSTRUMENTS INCORPORATED** or to its successors, assigns and legal representatives, any facts known to **TIJ and INVENTOR** respecting the said invention, and at the expense of **TEXAS INSTRUMENTS INCORPORATED,** sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings 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 outside of Japan.

Disk Drive

Title of Invention

Masaki Yamashita, Chisako Ota, Nobuhiko Wasa

Inventor(s)

Japanese Application No.: 2009-131664 Filed: May 31, 2009

U.S. Application executed on: TBD

IN WITNESS WHEREOF, this Agreement has been executed as set forth below;

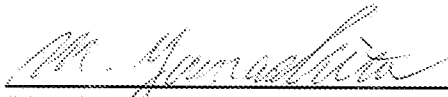
Signed at Tokyo, Japan on Mar. 05, 2010  
by Texas Instruments Japan, Ltd.

Name   
Toshiyuki Yamasaki

Title Representative Director and President

Date March 05, 2010

and by the INVENTORS:

  
Masaki Yamashita

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Niiza-shi, Saitama-ken 352-0002  
Address

3 / 1 / 2010  
Date

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*3/3/2010*

Date

*N. Wasa*

Nobuhiko Wasa

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Yokohama-shi, Kanagawa-ken 233-0001  
Address

*3/3/2010*

Date

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