

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| Roger K Castille | 06/29/2006 |
| Natarajan Kurian Seshan | 06/29/2006 |
| Marco Lazar | 06/29/2006 |
| Joseph R Zbiciak | 07/07/2006 |

RECEIVING PARTY DATA

| | |
|-----------------|--------------------------------|
| Name: | Texas Instruments Incorporated |
| Street Address: | 7839 Churchill Way |
| City: | Dallas |
| State/Country: | TEXAS |
| Postal Code: | 75251 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11383045 |

CORRESPONDENCE DATA

Fax Number: (972)917-4418
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 9729175290
Email: r-barnum@ti.com
Correspondent Name: Robert D. Marshall, Jr.
Address Line 1: 7839 Churchill Way
Address Line 4: Dallas, TEXAS 75251

ATTORNEY DOCKET NUMBER:

TI-39651

NAME OF SUBMITTER:

Robert D. Marshall, Jr.

Total Attachments: 2

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PATENT

REEL: 017984 FRAME: 0488

500129492

CH \$40.00 11383045

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


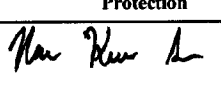
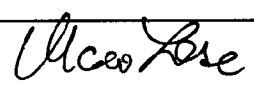
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a principal office at P.O. Box 655474, MS 3999, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application 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 for Patents 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 my hand and seal this day and year;

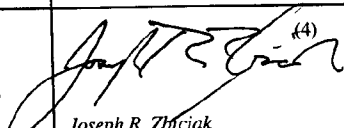
| TITLE OF INVENTION | Direct Memory Access Channel Controller With Quick Channels, Event Queue and Active Channel Memory Protection | | |
|--------------------------------|---|--|--|
| SIGNATURE OF INVENTOR AND NAME |  Roger K. Castille |  (2) Natarajan Kurian Seshan |  (3) Marco Lazar |
| DATE | 6/29/06 | 6/29/06 | 6/29/06 |
| RESIDENCE (City, State) | 1614 Westhurst Lane Houston, TX 77077 US | 4616 Huisache St. Bellaire, TX 77401 US | 13634 Treebank Lane Houston, TX 77070 US |
| DATE APPLICATION EXECUTED | 6/29/06 | 6/29/06 | 6/29/06 |

After recordation, please return Assignment to:

Robert D. Marshall, Jr.
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265

PAGE 2 of 2

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

| | | | |
|--------------------------------|---|------------|------------|
| TITLE OF INVENTION | Direct Memory Access Channel Controller With Quick Channels, Event Queue and Active Channel Memory Protection | | |
| SIGNATURE OF INVENTOR AND NAME |  Joseph R. Zbiciak | (5) n/a | (6) n/a |
| DATE | 7-7-06 | | |
| RESIDENCE (City, State) | 1502 Waltham Ct. Arlington, TX 76012 US | | |
| DATE APPLICATION EXECUTED | | | |

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