Stylesheet Version: 1.0.1

# PATENT ASSIGNMENT

**SUBMISSION TYPE: NEW ASSIGNMENT** 

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

**CONVEYING PARTY DATA** 

Conveying Party Name: Srinivasa Chakravarthy

**Execution Date:** 05/03/2001

Conveying Party Name: Rubin A. Parekhji

**Execution Date:** <u>04/30/2001</u>

Conveying Party Name: Julio C. Hernandez

**Execution Date:** <u>05/02/2001</u>

Conveying Party Name: Kenneth M. Butler

**Execution Date:** <u>04/30/2001</u>

**RECEIVING PARTY DATA** 

Receiving Party Name: <u>Texas Instruments Incorporated</u>

Street Address: 7839 Churchill Way

Internal Address: M/S 3999
City: Dallas
State: TEXAS

Country:

Postal Code: 75251

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** (972)917-4418

**CORRESPONDENCE DATA:** 

Correspondence will be sent via US Mail when a fax number

has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

**CUSTOMER NUMBER: 023494** 

To the best of my knowledge, the foregoing information is true and correct and any attached copy is a true copy of the original document.

PATENT

800000199 REEL: 011535 FRAME: 0550

NAME OF PERSON SIGNING: Richard A. Bachand

**DATE SIGNED:** 05/04/2001

**Total Attachments: 4** 

source="Assnmt - Chakravarthy.tif" source="Assnmt - Parekhji.tif" source="Assnmt - Hernandez.tif" source="Assnmt - Butler.tif"

ATTORNEY DOCKET NO.

#### **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 Laters 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 ony Lehters 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 to the said application and all patents which may be granted therefor, and all divisions, reinnues, 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 thereform, 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 TRYAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invantion 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 assignce 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 get my hand and goal this day and year: TITLE USING PSEUDO-PINS IN GENERATING SCAN TEST VECTORS FOR OF TESTING AN EMBEDDED CORE WHILE MAINTAINING THE IP CONTAINED INVENTION THEREIN B S. Snimowa alakravarky SIGNATURE OF Srinivasa INVENTOR Chakravarthy and NAME Rubin A. Parekhji 3rd May 2001 DATE RESIDENCE Bangalore, India Bangalore, India (City, Country) 3d May 2001 APPLICATION EXECUTED

After recording, ruturn Assignment to:

Texas Instruments Incorporated 7839 Churchill Way, M/S 3999 Dallas, TX 75251

ATTOMEY DOCKET NO.

### ASSIGNMENT

WHICEAS, 1, the undersigned inventor (on one of the undersigned joint inventors), of relidence as listed, having invented certain tem and useful improvements as below extitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below, and

DESCRIPT, THOSE INTERMEDIA DECEMPORATED, a component organized and existing under the laws of the state of Delaware, with a phase of Desiness at 7839 Churchill May, NS 3975, ballas. Texas 75281, is desirant of acquiring my enters right, title and interest in and to the sold invention, and to the said application and any letters Patent than may issue thereon;

BOW. TREADCREE. for good and valuable consideration, the receipt of which is hereby acknowledged, I betteby sell and easing to the said TERMS INSTRUMENTS PROPERTIES, at a recessors and assigns. By entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, relations, substitutions, continuations, and extensions thereof: and I benefit authorize and request the Consistence of Patents and Tradespore to assess all patents for said invention, or patent resulting therefore, insofar as my interest is concerned, to the said STAN EXEMPLIANCE INCOMPRIMED, as assigned of my entire signt, title and interest.

I also hereby sell and assign to THROW DYNORMALIZED, its successors and assigns, my foreign rights to the invention disclosed to said application, in this countries of the world, including the sight to fall applications and obtain patents under the serms of the international convention for the Protection of Indistrial imports, and of the European Patent Convention further agree to execute any and all patent applications, assignments, sificavits. And any other papers in connection therewith necessary to perfect such patent, rights.

I bereby further agree that I will communicate to said TERMS EXPERIENCE RECOMPRESSED, or to its successors, essigns, and logal representatives, any facts known to se temperating said terestion, and at the expense of said assignse company, testify in thy logal proceedings, sign at laxing papers, execute all divisional, continuation, relate and substitute applications, make all lawful baths, and generally do trenything possible to add TERMS EXPERIENCE ISOMETRIANED. Its successors, assigns and nominees to obtain and enforce proper patent protection for said invention on all countries.

IN WIRES WHEREOF. I tereunts are by hand and shall this day and year: TITLE USING PSEUDO-PINS IN GENERATING SCAN TEST VECTORS FOR OF TESTING AN EMBEDDED CORE WHILE MAINTAINING THE IF CONTAINED POITWING THEREIN SIGNATURE OF **DIVIDITIOR** Srinivasa and NOME Chakravasthy DATE RESIDENCE Pançalore, India Bangalore, India (City, Country) STAC APRIL 30 2001 APPLICATION EXECUTED

After recording, retuse Assignment to:

Texas Instruments Incorporated 7839 Churchill May, M/S 3999 Dallas, 7X 75261

## **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

WHERIAS, 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 and 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 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 scal this day and year:

TITLE OF INVENTION	USING PSEUDO-PINS IN GENERATING SCAN TEST VECTORS FOR TESTING AN EMBEDDED CORE WHILE MAINTAINING THE IP CONTAINED THEREIN		
SIGNATURE OF INVENTOR and NAME	Julio C. Jumady Julio C. Hernandez	Kenneth M. Butler	
DATE	5-2-01		
RESIDENCE (City, County, State)	Rancho Santa Margarita, Orange County, California	Richardson, Collin County, Texas	, ,
DATE APPLICATION EXECUTED	5-2-01		

After recording, return Assignment to:

Texas Instruments Incorporated 7839 Churchill Way, M/S 3999 Dallas, TX 75251

ATTORNEY DOCKET NO. TI-29660

### **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, 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;

MOW, 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 and 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 assigned 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 protection for said invention in all countries.

IN WITHESS WHEREOF, I hercunto set my hand and seal this day and year:

TITLE OF INVENTION	USING PSEUDO-PINS IN GENERATING SCAN TEST VECTORS FOR TESTING AN EMBEDDED CORE WHILE MAINTAINING THE IP CONTAINED THEREIN		
SIGNATURE OF INVENTOR and NAME	Julio C. Hernandez	Kenneth M. Butler	
DATE		APRIL 30, 2001	
RESIDENCE (City, County, State)	Rancho Santa Margarita, Orange County, California	Richardson, Collin County, Texas	, ,
DATE APPLICATION EXECUTED		APRIL 30, 2001	

After recording, return Assignment to:

Texas Instruments Incorporated 7839 Churchill Way, M/S 3999 Dallas, TX 75251

> PATENT REEL: 011535 FRAME: 0555

**RECORDED: 05/04/2001**