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FORM PTO-159

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office

TI-22180

To the Ass't Commissioner for Patents. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>1) Arunabha Ghose (6/14/99)</p> <p>2) Venkat V. Easwar (6/19/99)</p>	<p>2. Name and Address of receiving party(ies):</p> <p>Name: TEXAS INSTRUMENTS INCORPORATED</p> <p>Address: P.O. Box 655474, MS 3999</p> <p>City: Dallas</p> <p>State: TX Zip: 75265</p> <p>Additional name(s) & address(es) attached? ___ Yes <u>X</u> No</p>
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3. Nature of Conveyance:

1. X Assignment ___ Merger

 ___ Security Agreement ___ Change of Name

 ___ Other _____

Execution Date: **June 14 and 19, 1999**

4. Application number(s) or patent number(s).

___ This document is being filed together with a new application.

Execution date of the application: **June 14 and 19, 1999**

Title: **Clipping and Trapezoid Decomposition of Polygons for Printing Files in a Page Description Language**

Docket No: TI-22180

<p>A. Patent Application No.(s)</p> <p>S.N. 09/397,172</p> <p>Additional numbers attached? ___ Yes <u>X</u> No</p>	<p>B. Patent No.(s)</p> <p>X,XXX,XXX</p> <p>Additional numbers attached? ___ Yes <u>X</u> No</p>
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Robert D. Marshall, Jr.</p> <p> Texas Instruments Incorporated</p> <p>Address: P.O. Box 655474, MS 3999</p> <p>City: Dallas</p> <p>State: TX Zip: 75265</p>	<p>6. Number of applications and patents involved: ___(1)___</p> <hr/> <p>7. Amount of fee enclosed or authorized to be charged: \$40</p> <hr/> <p>8. Deposit Account No: 20-0668 (No duplicate copy is needed).</p>
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DO NOT USE THIS SPACE

9. 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.

_____ May 30, 2001 _____

Date

Robert D. Marshall, Jr.

Robert D. Marshall, Jr., Reg. No. 28,527

Total Number of Pages Including Cover Sheet, Attachments and Document: 4

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;

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	Clipping and Trapezoid Decomposition of Polygons for Printing File in a Page Description Language		
SIGNATURE OF INVENTOR AND NAME	Suvarna Harish Kumar	X Venkat V Easwar Venkat V. Easwar	Arunabha Ghose
DATE OF SIGNATURE		X 6/19/99	
RESIDENCE (City, County, State)	India (see India Assignment)	Cupertino, Santa Clara County, California	India (see India Assignment)
DATE APPLICATION EXECUTED		X 6/19/99	

After recording Assignment, please return to:

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

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS INDIA LIMITED (hereinafter TIIN), an Indian company having its headquarters at Golf View Home, Wind Tunnel road, Post Box No. 1708, Murgeshpalya, Bangalore- 560 017, India, has under the laws of India made application, in its own name, along with 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, USA, for Letters Patent in India in respect of an invention as set forth below;

WHEREAS, the or each below named inventors (hereinafter INVENTOR), of the said invention;

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M/S 3999, Dallas, Texas 75251, is desirous of acquiring the entire undivided right, title and interest of TIIN and INVENTOR in and to the said invention outside of India 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 TIIN and INVENTOR sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, their entire undivided right, title and interest in and to the said invention in the U.S.A. and all other countries outside India; 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 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 International Convention for the Protection of Industrial Property or any other relevant convention;

TIIN 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 our interest is concerned to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of our entire undivided right, title and interest.

TIIN and INVENTOR further agree to communicate to TEXAS INSTRUMENTS INCORPORATED or to its successors, assigns and legal representatives, any facts known to them 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 India.

TIIN-22180

ASSIGNMENT

TIIN-22180

Title of Invention: **CLIPPING AND TRAPEZOID DECOMPOSITION OF POLYGONS FOR PRINTING FILE IN A PAGE DESCRIPTION LANGUAGE**

Inventor(s): **Suvarna Harish Kumar, Arunabha Ghose**
(Venkat V. Easwar - U.S. inventor, see U.S. Assignment)

U.S. Application Serial No. 60/100,619 filed on 09/16/98 .

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

Signed at: _____ on _____

by **Texas Instruments India, Ltd.**

Name: _____

Title: _____

Date: _____

and by the **INVENTORS:**

(1) x _____
Suvarna Harish Kumar
A-102, Syryakiran Apts.
N.S. Road
Bangalore 560052, India

(2) x *Arunabha Ghose*
_____ **Arunabha Ghose**
484 Jal Vayu Vihar
Bangalore 560084, India

x _____
Date

x *14th September, 1999*
_____ **Date**

TIIN-22180