FORM PTO-1595



U.S. Department of Commerce Patent and Trademark Office

| TI-29494 | 01801509 | | | |
|--|--|--|--|--|
| To the Ass't Commissioner for Patents. Please record | - | | | |
| Name of conveying party(ies): | 2.Name and Address of receiving party(ies): | | | |
| 1) Peter Galicki (9/12/00) | Name: TEXAS INSTRUMENTS INCORPORATED | | | |
| 2) Cheryl S. Shepherd (9/6/00) | Address: P.O. Box 655474, MS 3999 City: Dallas | | | |
| 3) Jonathan H. Thorn (9/5/00) 07/13/ | State: TX Zip: 75265 | | | |
| | Additional name(s) & address(es) attached?Yes _X_No | | | |
| 3. Nature of Conveyance: | | | | |
| _X_ Assignment Merger | | | | |
| Security Agreement Change of Name | | | | |
| Other | 19/01/71 | | | |
| Execution Date: September 5, 6 and 12, 2000 | 09/905-378 | | | |
| 4. Application number(s) or patent number(s). | | | | |
| _X_ This document is being filed together with a new app | olication. | | | |
| Execution date of the application: September 5, 6 and | 12, 2000 | | | |
| Title: Datapipe Routing Bridge | | | | |
| Docket No: TI-29494 | | | | |
| A. Patent Application No.(s) | B. Patent No.(s) | | | |
| S.N. | X,XXX,XXX | | | |
| Additional numbers attached? YesX_ No | Additional numbers attached?YesX No | | | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Number of applications and patents involved:(1) | | | |
| Name: Robert D. Marshall, Jr. | | | | |
| Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 | | | | |
| City: Dallas | | | | |
| State: TX Zip: 75265 | 7. Amount of fee enclosed or authorized to be charged: \$40 | | | |
| | Deposit Account No: 20-0668 (No duplicate copy is needed). | | | |
| DO NOT USE THIS SPACE | | | | |
| 0.90 | | | | |
| 9. Statement and signature. | | | | |
| To the best of my knowledge and belief, the foregoing info- original document. | ormation is true and correct and any attached copy is a true copy of the | | | |
| | 1 0 1 0 M1 1 1. | | | |
| July 13, 2001 | fabout D. Markally | | | |
| Date | Robert D. Marshall, Jr., Reg. No. 28,527 | | | |
| Total Number of Pages Including Cover Sheet, Attachments and Document: 3 | | | | |

01 FC:581

40.00 CH

PATENT

REEL: 012034 FRAME: 0390

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 its 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 Ass't 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 | Datapipe Routing Bridge | | |
|---|--|---|--|
| SIGNATURE OF INVENTOR AND NAME | × flets Gelicki (1) | Chiuf & Shiphu (2) Cheryl S. Shipherd | (3) Jonathan H. Thorn |
| DATE | x 4-12-00 | x 9/6/00 | |
| RESIDENCE (City, County, State) | 1915 Park Hollow, Sugarland, TX 77479 | 10155 Rustic Bend Ct., Houston, TX 77064 | 19920 Mastenbrook Place, Gaithersburg, MD 20886 |
| DATE APPLICATION EXECUTED | plets Oly | × 9/6/00 | |

After recordation, please return Assignment to:

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

PATENT REEL: 012034 FRAME: 0391

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

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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 Ass't 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.

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|---|-------------------------|------------------------|---|
| SIGNATURE OF INVENTOR AND NAME | (1) Peter Galicki | (2) Cheryl S. Shepherd | Jonathan H. Thorn |
| RESIDENCE | 1915 Park Hollow, | 10155 Rustic Bend Ct., | 19920 Mastenbrook Place, |
| (City, County, State) DATE APPLICATION EXECUTED | Sugarland, TX 77479 | Houston, TX 77064 | Gaithersburg, MD 20886 September 5, 2000 |

After recordation, please return Assignment to:

RECORDED: 07/13/2001

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

> PATENT REEL: 012034 FRAME: 0392