



SHEET

To the Honorable Commissioner for I

101864677

document(s) or copy(ies) thereof.

1. Name of Conveying Party(ies):  
Arthur Allan Bayot  
Ferdinand B. Arabe

09/27/01

Additional name(s) of conveying party(ies) attached?  Yes  No

J1040 U.S. PTO  
09/27/01  
09/27/01

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: Texas Instruments Incorporated  
Address: 7839 Churchill Way, MS 3999  
Dallas, TX 75251  
Country: U.S.A.

Additional name(s) and address(es) attached?  Yes  No

3. Nature of Conveyance:

Assignment  Merger  Change of Name  
 Verified Translation  Security Agreement  Other: \_\_\_\_\_

Execution Date: September 26, 2001

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

If this document is being filed together with a new application, the execution date(s) of the application is: 09/27/01

A. Patent Application No(s): B. Patent No(s):

09/963479

Others on additional sheet(s) attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Jackie Gardner  
Texas Instruments Incorporated  
P.O. Box 655474  
MS 3999  
Dallas, Texas 75265  
(202) 639-7700 (telephone)  
(202) 639-7890 (facsimile)

6. Total number of applications and patents involved:

Application(s): 1  
+ Patent(s): 0  
= Total: 1

7. Total Fee (37 C.F.R. § 3.41) . . . . . \$ 40.00

Enclosed  
 Authorized to be charged to Deposit Account

8. Deposit Account No.: 20-0668

(Duplicate copy of this sheet attached)

Charge any underpayment or credit any overpayment to above Deposit Account

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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.

Timothy J. Churna  
Name of Person Signing

Signature

09/27/01  
Date

Total number of pages including cover sheet, attachments, and document:

3

10. 03/2001 AAHME1 0000098 200668 09963479  
01 FC:581 40.00 CH

Attorney Docket No. 032350.B304  
TI-31424

## 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, having 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 to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

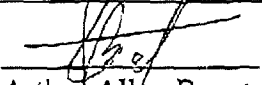
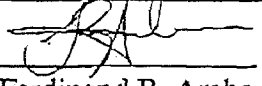
I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for 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.

Attorney Docket No. 032350.B304

T1-31424

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

Title of Invention	METHODS AND APPARATUS FOR MANUFACTURING BALL GRID ARRAY SEMICONDUCTOR DEVICE PACKAGES		
Signature of Inventor and Name	 Arthur Allan Bayot		
Date	9/26/01		
Residence (City, State & County)	143 Guisad Surong Baguio City 2600 Philippines Filipino Citizenship		
Date Application Executed	9/27/01		
Signature of Inventor and Name	 Ferdinand B. Arabe		
Date	9/26/01		
Residence (City, State & County)	#20 DPS Compound Baguio City 2600 Philippines Filipino Citizenship		
Date Application Executed	9/27/01		