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To the Ass't Commissioner for Patents. Please 102695078					
Name of conveying party(ies):  •	2.Name and Address of receiving party(ies):				
1) Jaehoon Heo	2.Name and Address of receiving party(ies):  Name: TEXAS INSTRUMENTS INCORPORATED Address: P.O. Box 655474, MS 3999 City: Dallas 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					
Execution Date: March 8, 2004	3-8-04				
4. Application number(s) or patent number(s).					
X This document is being filed together with a new applic	n.				
Execution date of the application: March 8, 2004					
	ush Heim I ook I'n Takk				
Title: Method and Apparatus for Efficient Conversion of					
Docket No: TI-36083	B. Patent No.(s) $10795514$				
A. Patent Application No.(s) S.N. (To be Assigned)	B. Patent No.(s)				
Additional numbers attached? YesX N	Additional numbers attached? YesX No				
Name and address of party to whom correspondence concerr document should be mailed:					
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				
	8. Deposit Account No: 20-0668 (No duplicate copy is needed).				
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<ol> <li>Statement and signature.</li> <li>To the best of my knowledge and belief, the foregoing inforn</li> </ol>	on is true and correct and any attached copy is a true copy of the original document.				
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Date					
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> PATENT REEL: 015068 FRAME: 0580

## 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 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	Method and Apparatus for Efficient Conversion of Signals Using Look-Up Table		
SIGNATURE OF INVENTOR AND NAME	Jaehoon Heo J (1)	(2) n/a	(3) n/a
DATE	3-8-2004		
RESIDENCE (City, State)	1831 Cross Spring Dr. Sugar Land, TX 77479 US	,	,
DATE APPLICATION EXECUTED	3-8-200℃		

After recordation, please return Assignment to:

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

PATENT
RECORDED: 03/08/2004 REEL: 015068 FRAME: 0581