JUL 2 5 2001 8	-31-2001			
FORM PTO-1595	U.S. Department of Commerce Patent and Trademark Office			
TI-31657	792427			
To the Assistant Commissioner for Patents. Please record the attached orig	na 32427			
Name of conveying party(ies):	Name and Address of receiving party(ies):			
Zhiliang J. Chen 6/1/01 Kuok Y. Ling 6/4/01 7-250	Name: TEXAS INSTRUMENTS INCORPORATED			
Kuok Y. Ling 6/4/01 Hisashi Shichijo 6/7/01	Address: P.O. Box 655474, MS 3999			
Katsuo Komatsuzaki 6/4/01	City: Dallas			
Chin-Yu Tsai 6/1/01	State: TX Zip: 75265			
	Additional name(s) & address(es) attached?Yes _X_No			
3. Nature of Conveyance:				
XAssignmentMerger				
Security Agreement Change of Name				
Other				
Execution Date in order of listed parties: 6/1/01; 6/4/01; 6/7/01; 6/4/01; 6/4	/01			
4. Application number(s) or patent number(s). _This document is being filed together with a new application. Execution date of the application in order of listed parties:: 6/1/01; 6/4/01; 6/7/01; 6/4/01; 6/1/01 Title: Integrated Structure for Reduced Leakage and Improved Fill-Factor in CMOS Pixel				
Docket No: TI-31657				
A. Patent Application No.(s) S.N. 09/855,251	B. Patent No.(s) 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:	Number of applications and patents involved:(1)			
Name: Gary C. Honeycutt 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 (Attach duplicate copy if paying by deposit account)			
DO NOT USE THIS SPACE				
9. Statement and signature. 1. In the 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.				
7-23-01 Tary O. Howyall				
Date Gato C. Honeycutt, Reg. No. 20,250				
Total Number of Pages Including Cover Sheet, Attachments and Document: _5_				

TI-31657

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	Integrated S	tructure for Reduced Fill-Factor in CMC	d Leakage and Improved OS Pixel
SIGNATURE OF INVENTOR AND NAME	x S. J. Man C. Zhiliang J. Chen	Kuok Y. Ling	X ZLQ STeyr Hisashi Shichijo
DATE OF SIGNATURE	x 06/01/01		x 6/7/01
RESIDENCE (City, State)	Flano, Texas	Plano, Texas	Plano, Texas
DATE APPLICATION EXECUTED			

After recording Assignment, please return to:

Gary C. Honeycutt
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265

ATTORNEY	DOCKET	NO.
1	'I-31657	′

ASSIGNMENT

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

TITLE OF INVENTION	Integrated Structure for Reduced Leakage and Improved Fill-Factor in CMOS Pixel		
SIGNATURE OF INVENTOR AND NAME	Katsuo Komatsuzaki	X I L. J. J. J. Chin-Yu Tsai	N/A
DATE OF SIGNATURE		× 6/1/8/	
RESIDENCE (City, County, State)	Ibaraki, Japan	Plano, Texas	
DATE APPLICATION EXECUTED			

TI-31657

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	Integrated Structure for Reduced Leakage and Improved Fill-Factor in CMOS Pixel		
SIGNATURE OF INVENTOR AND NAME	Zhiliang J. Chen	x lendlyonng L Kuok Y. Ling	Hisashi Shichijo
DATE OF SIGNATURE		x 6/4/01	
RESIDENCE (City, State)	Plano, Texas	Planc, Texas	Plano, Texas
DATE APPLICATION EXECUTED			

After recording Assignment, please return to:

Gary C. Honeycutt
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265

ATTORNEY DOCKET NO.

TI-31657

RECORDED: 07/25/2001

ASSIGNMENT

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

TITLE OF INVENTION	Integrated Structure for Reduced Leakage and Improved Fill-Factor in CMOS Pixel		
SIGNATURE OF INVENTOR AND NAME	*Katsw Kimakuzaki	Chin-Yu Tsai	N/A
DATE OF SIGNATURE	Nune 104/2001		
RESIDENCE (City, County, State)	Ibaraki, Japan	Plano, Texas	
DATE APPLICATION EXECUTED			