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Tile Assistant Commissioner for Patents. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): (Arishnaswamy Nagara) 12/16/99 (Arishnaswamy Nagara) 12/16/99 (Arishnaswamy Nagara) 12/16/99 (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: 12/16/99 4. Application number(s) or patent number(s). X_ This document is being filled together with a new application. Execution date of the application:: 12/16/99 Tile: Efficient Analog-to-Digital Converter for Digital Systems Docket No: "T.2030 A. Patent Application No.(s) S.N. 0X/XXX,XXX Additional numbers attached?Yes _X_No 5. Name and address of party to whom correspondence concerning 6. Number of applications and patents involved:(1)	FORM PTO-1595		U.S. Department of Commerce Patent and Trademark Office
To the Assistant Commissioner for Patents. Please record the attached original documents or copy hereof. 1. Name of conveying party(les): Nrishnaswamy Nagarij 12/16/99 1. D - 2 6 - 0 6 2. Name and Address of receiving party(les): Name: TEXAS INSTRUMENTS INCORPORATED Address: P.O. Box 655474, MS 3898 City Dallas State: TX Zip: 75285 Additional name(s) & address(es) attached?	TI-26030	101569964	atom and Trademark Office
Name: TEXAS INSTRUMENTS INCORPORATED Address: P.O. Box 656474, MS 3699 City: Dalles State: TX Zip: 75285 Additional name(s) & address(es) attached?	To the Assistant Commissioner for Patents. Please red		5 5
Address; P.O. Box 855474, MS 3899 City Dallas State: TX Zip: 75265 Additional name(s) & address(es) attached?	1. Name of conveying party(ies):	Name and Address of receiving part	y(ies):
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State: TX Zip: 75265 Additional name(s) & address(es) attached?yes _x_no 3. Nature of Conveyance:xAssignment Merger Security Agreement Change of Name Other Execution Date: 12/16/98 4. Application number(s) or patent number(s). X This document is being filled together with a new application. Execution date of the application: 12/16/99 Execution date of the application No.(s) S. N. DOXOXXXX Additional numbers attached?yes _x_no	10-2	2 6 - 0 6 Address: P.O. Box 655474, MS 3998	9
Additional name(s) & address(es) attached?Yes_X_No 3. Nature of Conveyance:X_ Assignment Merger Security Agreement Change of Name Other Execution Date: 12/16/99 4. Application number(s) or patent number(s). X_ This document is being filled together with a new application. Execution date of the application: 12/16/99 10. A Patent Application and patent number(s). X_ This document to being filled together with a new application. Execution date of the application: 12/16/99 10. A Patent Application Na(s) S. N. DOXYOXXXXX Additional numbers attached? Yes XNo Additional numbers attached? Yes XNo 5. Name and address of party to whom correspondence concerning document should be mailed: Name: J. Dennis Moore, Reg. No. 28,885 Texas instruments incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX		City: Dallas	0
3. Nature of Conveyance:		State: TX	Zip: 75265
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Other Execution Date: 12/16/99 4. Application number(s) or patent number(s). X. This document is being filled together with a new application. Execution date of the application: 12/16/96 Title: Efficient Analog-to-Digital Converter for Digital Systems Docket No: T1-26030 A Patent Application No.(s) S.N. DXXXXXXX Additional numbers attached?Yes	X Assignment Merger		
4. Application number(s) or patent number(s). X. This document is being filed together with a new application. Execution date of the application: 12/16/99 Title: Efficient Analog-to-Digital Converter for Digital Systems Docket No: TI-26030 A. Patent Application No.(s) S.N. OXXXXXXX Additional numbers attached?YesNo Additional numbers attached?YesNo Additional numbers attached?YesNo Additional numbers attached?YesNo S.N. Dennis Moore, Reg. No. 28,885 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 (Attach duplicate copy if paying by deposit account) 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 processory of the original document. Oct. 25, 2000	Security Agreement Change of Na	ame	
4. Application number(s) or patent number(s). X. This document is being filed together with a new application. Execution date of the application:: 12/19/99 Title: Efficient Analog-to-Digital Converter for Digital Systems Docket No: T1-26030 A. Patent Application No.(s) S. N. D. N.	Other	,	
4. Application number(s) or patent number(s). X. This document is being filed together with a new application. Execution date of the application:: 12/19/99 Title: Efficient Analog-to-Digital Converter for Digital Systems Docket No: T1-26030 A. Patent Application No.(s) S. N. D. N.	Execution Date: 12/16/99	09/69	9635
Docket No: TI-26030 A Patent Application No.(s) S.N. 0XXXX,XXX Additional numbers attached?YesXNo			0 0
A Patent Application No.(s) S.N. 0X/XXX,XXX Additional numbers attached?YesXNo	Title: Efficient Analog-to-Digital Converter for Digital System	oms	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: J. Dennis Moore, Reg. No. 28,885 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 (Attach duplicate copy if paying by deposit account) 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 find copy of the original document. OCT: 25, 2000		· · · · · · · · · · · · · · · · · · ·	
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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 (Attach duplicate copy if paying by deposit account) 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 fine-copy of the original document. OCT. 25, 2000	5. Name and address of party to whom correspondence co document should be mailed:	oncerning 6. Number of applications and patents in	volved:(1)
State: TX Zip: 75265 7. Amount of fee enclosed or authorized to be charged: \$40 8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account) 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 processory of the original document. Oct. 25, 2000			
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<u>Oct. 25, 200</u>	To the best of my knowledge and belief, the toregoing		
			is Moore, Reg. No. 28,885

PATENT

REEL: 011378 FRAME: 0318

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 7839 Churchill Way, M.S. 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 make all lawful oaths, and generally do everything possible to aid said TEXAS in Instruments incorporated protection for said invention in all countries.

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

PATENT REEL: 011378 FRAME: 0319

TITLE OF INVENTION	Efficient Analog-to-Digital Converter for Digital Systems
SIGNATURE OF INVENTOR AND NAME	X Kunuu Krishnaswamy Nagaraj
DATE	X 16h December 1999
RESIDENCE (CITY AND STATE)	Somerville, NJ
DATE APPLICATION EXECUTED	X 16 th December 1499

After recording, return Assignment to: Christopher L. Maginniss

RECORDED: 10/26/2000

Texas Instruments Incorporated

P.O. Box 655474, M/S 3999

Dallas, TX 75265

PATENT REEL: 011378 FRAME: 0320