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U.S. Department of Commerce (Rev. 6-93)

08-03-2001

ID NO. 101703650

OMB No 0651-0011 (exp 4/94)	1017980 <u>05</u>	Patent and Trademark Office
To the Honorable Commissioner of Patents and		iginal document or copy thereof.
1. Name of conveying party(ies): Jeremy I. Martin, Eric M. A Christian Zistl, Paul R. Besser, Srikantewara Dakshina-Murthy, Jonath Nick Kepler and Fred Cheung Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: 11/09/00; 11/14/00; 12/20/00; 02/01/01; 02/09/00/03/02/01, 04/03/01, 04/18/01 respectively	Apelgren, nan B. Smith, No No Internal Address: Street Address: 520 City: Austin St	of receiving party(ies): d Micro Devices, Inc. 04 E. Ben White Blvd. tate: TX Zip: 78741
4. Application number(s) or registration number(s): If this document is being filed together with a new application, the example A. Patent Application No.(s): 09/840,598	xecution date of the application is: B. Patent No.(s):	
,	sumbers attached? Yes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of appl	lications and patents involved:
Name: Randall C. Furlong, Ph.D. Williams, Morgan & Amerson, P.C. 7676 Hillmont, Suite 250 City: Houston State: Texas Zip: 77040	Enclosed Authorized to b 8. Deposit account num	s_40.00 se charged to deposit account specific 01-0365/TT3573 by of this page if paying by deposit account)
DO NO	OT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is Randall C. Furlong, Ph.D. Name of Person Signing, Reg. No. 35,144	true and correct and any attached correct	s drue copy of the original document. 7/27/2001 The Date
		ling cover sheet, attachments and documents: 13

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignment Washington, D.C. 20231

> Certificate of Mailing 37 C.F.R. 1.8

I hereby certify that this paper or fee is being deposited with the United States Postal Service "FIRST CLASS MAIL" addressed to: U.S. Patent and Trademark Office, Assignment Division, Box Assignments, CG-4, 1213 Jefferson Davis Hwy., Suite 320, Washington, DC 20231.

7/27/01 Date of Deposit

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RECORDATION FORM COVER SHEET

U.S. Department of Comm

101703650	PATENTS ONLY	Patent and Trademark Office	⊃ o
07/23//o the Honorable Commissioner of Pate	ents and Trademarks: Please record the attached	original document or copy thereof.	10,
1. Name of conveying party(ies): Jeremy I, Martin, Er		s of receiving party(ies):	
Christian Zistl, Paul R. Besser, Srikantewara Dakshina-Murthy and Nick Kepler		ed Micro Devices, Inc.	
Additional name(s) of conveying party(ies) attached? Yes	No Internal Address:		
3. Nature of conveyance: Assignment Merger	Street Address: 5	204 E. Ben White Blvd.	
Security Agreement Change of N.	ame City: Austin	State: TX Zip: 78741	
Other Execution Date: 11/09/00; 11/14/00; 12/20/00; 02/01/01; (03/02/01 and 04/03/01, respectively	02/09/01; Additional name(s) &	address(es) attached? Yes No	
4. Application number(s) or registration number(s):			
If this document is being filed together with a new application 03/02/01 and 04/03/01, respectively	n, the execution date of the application is: 11	/09/00; 11/14/00; 12/20/00; 02/01/01; 02/09/	/01:
A. Patent Application No.(s):	B. Patent No.(s):		
N/A			ŀ
09/84059 8dd	tional numbers attached? Yes No		
Name and address of party to whom correspondence concerni document should be mailed:	ng 6. Total number of ap	oplications and patents involved: _1	
Name: Randall C. Furlong, Ph.D. Williams, Morgan & Amerson, P.C. 7676 Hillmont, Suite 250 City: Houston State: Texas Zip: 77040	Enclosed	\$ 40.00 be charged to deposit account	
City: Houston State: Texas Zip: 77040		copy of this page if paying by deposit accoun	t)
	DO NOT USE THIS SPACE	opy of this page if paying by deposit account	-
Statement and signature.			
To the best of my knowledge and belief, the foregoing information of the Randall C. Furlong, Ph.D.	ution is true and correct and any anached eco	y is a true copy of the original document. 4/23/20	001
Name of Person Signing, Reg. No. 35,144	Signa	ture Date	
Moldowwith		uding cover sheet, attachments and documents:	13
001 GTOH11 00000079 010365 09840598 Commission	be recorded with required cover sheet information to ter of Patents and Trademarks, Box Assignment Washington, D.C. 20231		
NUMBER EL 798 364	EXPRESS MAIL MAILING LABEL 749 US		
DATE OF DEPOSIT AP			
I hereby certify that this Postal Service with suffice ADDRESSEE" service u	paper or fee is being deposited with the cient postage "EXPRESS MAIL POST Conder 37 C.F.R. 1.10 on the date indicate Commissioner for Patents, Washington	OFFICE TO ed above and is	
	GI		

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation of Delaware, having a place of business at 5204 East Ben White Boulevard, Austin, Texas 78741, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled SIDEWALL TREATMENT FOR LOW DIELECTRIC CONSTANT (LOW K) MATERIALS BY ION IMPLANTATION, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States:

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Jeremy I. Ma	rtin	Date:		
0010111, 11 1114				
STATE OF TEXAS)) ss.			
COUNTY OF TRAVIS				
JEREMY I. MARTIN, k	nown to me to be the person who	ose name is subscrib	, personally appeare ped to the foregoing instrument an purposes and consideration therei	d
[SEAL]	Notar	y Public in and for the	e State of Texas	

Signature:	Date:
Eric M. Apelgren	
STATE OF TEXAS	
OUNTY OF TRAVIS) ss.	
appeared ERIC M. APELGREN, known	authority, on this, day of, personally to me to be the person whose name is subscribed to the foregoing he executed the same of his own free will for the purposes and
[SEAL]	Notary Public in and for the State of Texas
Signature: CHRISTIAN ZISTL	Date:
WITNESSES FOR CHRISTIAN ZISTL:	
Massan Wreczowa	Date: Nov. 14. 2000
The first of the second	Date:
/	
Signature: Paul R. Besser	Date:
STATE OF TEXAS)	
) ss. COUNTY OF TRAVIS)	
BEFORE ME, the undersigned a appeared PAUL R. BESSER, known to me	to be the person whose name is subscribed to the foregoing instrument he same of his own free will for the purposes and consideration therein
[SEAL]	Notary Public in and for the State of Texas

Signature:	Date:
Srikantewara Dakshina-Murthy	
STATE OF TEXAS)	
) ss.	
COUNTY OF TRAVIS)	
appeared SRIKANTEWARA DAKSHINA-MURTH	Y, on this,, personally HY, known to me to be the person whose name is subscribed to that he executed the same of his own free will for the purposes
[SEAL]	Notary Public in and for the State of Texas
Signature: Josephan B. Smith	Date: <u>No. 1 20.0</u>
WITNESSES FOR JONATHAN B. SMITH:	
1 Telle Con	Date: 11/09/2000
Center C. Frank	Date: <u> </u>
Signature: Nick Kepler	Date:
STATE OF TEXAS) ss.	
COUNTY OF TRAVIS)	
appeared NICK KEPLER, known to me to be the pe	erson whose name is subscribed to the foregoing instrument and f his own free will for the purposes and consideration therein
[SEAL]	Notary Public in and for the State of Texas

STATE OF TEXAS)		
COUNTY OF TRAVIS) ss.)		
FRED CHEUNG, known	to me to be the person w	isday of, hose name is subscribed to the s own free will for the purpose	e foregoing instrument and
[SEAL]	No	otary Public in and for the State of	of Texas

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation of Delaware, having a place of business at 5204 East Ben White Boulevard, Austin, Texas 78741, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled SIDEWALL TREATMENT FOR LOW DIELECTRIC CONSTANT (LOW K) MATERIALS BY ION IMPLANTATION, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements:

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature:	Date:
Jeremy I. Mar	
STATE OF TEXAS)
COUNTY OF TRAVIS) ss.)
appeared JEREMY I. MA	ARTIN, known to me to be the person whose name is subscribed to the foregoing dged to me that he executed the same of his own free will for the purposes and essed.
[SEAL]	Notary Public in and for the State of Texas

Signature:	Date:
Eric M. Apelgren	
STATE OF TEXAS)	
) ss.	
COUNTY OF TRAVIS)	
ERIC M. APELGREN, known to me to be the per	on this day of,, personally appeared rson whose name is subscribed to the foregoing instrument and f his own free will for the purposes and consideration therein
[SEAL]	Notary Public in and for the State of Texas
	,
Signature: CHRISTIAN ZISTL	Date:
CHRISTIAN ZISTL	
WITNESSES FOR CHRISTIAN ZISTL:	
	Date:
	Date:
Signature: Paul R. Besser	Date:
Paul R. Besser	
STATE OF TEXAS)	
COUNTY OF TRAVIS) ss.	
COUNTY OF TRAVIS	
BEFORE ME, the undersigned authority, or PAUL R. BESSER, known to me to be the perso acknowledged to me that he executed the same of expressed.	this day of,, personally appeared on whose name is subscribed to the foregoing instrument and his own free will for the purposes and consideration therein
IOF ALL	No. 10 de company
[SEAL]	Notary Public in and for the State of Texas

Signature:		Date:	
Signature:Srikantewara Dakshina	-Murthy		
STATE OF TEXAS) ss.			
COUNTY OF TRAVIS) ss.			٠
BEFORE ME, the unders SRIKANTEWARA DAKSHINA foregoing instrument and acknowl consideration therein expressed.	-MURIHY, known to n	day of,, ne to be the person whose name outed the same of his own free w	e is subscribed to the
[SEAL]	Notar	y Public in and for the State of Te	xas
Signature: Jonathan B. Smith		Date:	
WITNESSES FOR JONATHAN E	3. SMITH:		
		Date:	
		Date:	
Signature: Nick Kepler		Date: 2-/1/01	<u> </u>
STATE OF CALIFORNIA) SANTA) ss. COUNTY OF (LARA)			
BEFORE ME, the undersing NICK KEPLER, known to me to the the three to the control of the control	o be the person whose	n free will for the purposes and	egoing instrument and d consideration therein
SEAL] Commission Notary Put Santa Commission My Commission 1	N.C. CRANGE Idon # 1127-07 Oilc — Colifornia Clora County Expires Apr 1, 2001	Public in and for the State of Cal	
Signature:		Date:	
Fred Cheung			

Signature: Fred Cheung	i. ICCuy	Date:	4/1861	_
STATE OF TEXAS)			
COUNTY OF TRAVIS) ss.)			
appeared FRED CHEUN	the undersigned authority, on G, known to me to be the person at he executed the same of his	whose name is s	subscribed to the foregoing	ng instrument and
[SEAL]	Not	ary Public in and	for the State of Texas	

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation of Delaware, having a place of business at 5204 East Ben White Boulevard, Austin, Texas 78741, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled SIDEWALL TREATMENT FOR LOW DIELECTRIC CONSTANT (LOW K) MATERIALS BY ION IMPLANTATION, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States:

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COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements:

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature:	Jeremy I. Mar	-/	21.	Date:	4/13/	<i>O</i> \	_	
STATE O	F TFXAS)						
STATE O	1 IEMIS) ss.						
COUNTY	OF TRAVIS)						
Bl	EFORE ME, t	he undersig	ned authority, o	n this 13 d	ay of <u></u>	S subscribed	to the fo	rsonally
			e that he execut					

consideration therein expressed.

[SEAL]

SAMANTHA A. CARDONA
Notary Public, State of Texas
My Commission Expires
APRIL 16, 2001

Notary Public in and for the State of Texas

Signature: Heric M. Apelgren Eric M. Apelgren	Date: $\frac{3}{2}/2/3$
STATE OF TEXAS)) ss. COUNTY OF TRAVIS)	
appeared ERIC M. APELGREN, known to	athority, on this 2nd day of Mazch, 2001, person whose name is subscribed to the fore the executed the same of his own free will for the purpose. Notary Public in and for the State of Texas
Signature:CHRISTIAN ZISTL	Date:
	Date:
	Date:
Signature: Paul R. Besser	Date: 12/20/00
STATE OF TEXAS) ss. COUNTY OF TRAVIS)	
appeared PAUL R. BESSER, known to me to	thority, on this day of very the person whose name is subscribed to the foregoing instruction of the purposes and consideration the
[SEAL] SAMALINA A CASIOC North Public Street In	M Languitta 1. landoro

PATENT

Signature:		John Marie Marie	Date:		
	Srikantewara E	akshina-Murthy			_
STATE O	OF TEXAS)			
	OF TRAVIS) ss.)			
the foregoi	ing instrument a eration therein e	nd acknowledged to moxpressed.	e that he executed the	of Struatt, 3 be the person whose name same of his own free will	personally is subscribed to for the purposes
[SEAL]		SAMANTHA A. CARDONA Notary Public, State of Texas My Commission Expires APRIL 16, 2001		d for the State of Texas	
Signature:	Jonathan B. Sr	nith	Date:		
WITNESSI	ES FOR JONAT	THAN B. SMITH:	Date:		
·			Date:		
Signature:	Nick Kepler		Date:		
	F TEXAS)) ss.			
BE ppeared N	ICK KEPLEK,	known to me to be the p	person whose name is s	of,,,,,,,,,,,,,,,	g instrument and
SFALL			Notary Public in and	I for the State of Tayor	

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Signature:	Date:
Fred Cheung	
STATE OF TEXAS)
) ss.
COUNTY OF TRAVIS)
appeared FRED CHEUNG,	e undersigned authority, on this day of,, personally known to me to be the person whose name is subscribed to the foregoing instrument and he executed the same of his own free will for the purposes and consideration therein
[SEAL]	Notary Public in and for the State of Texas

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RECORDED: 07/20/2001