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	ORDATION FORM		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
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To the Honorable Commissioner of Pate	ents and Trademarks: F	lease record the attached	original documents or copy thereof.
1. Name of conveying party(ies):		2. Name and addres	ss of receiving party(ies)
Cyrus Tabery Joong J	J. Jeon	Name: <u>Advance</u>	ed Micro Devices, Inc.
Chih-Yuh Yang Minh Va William G. En Ming-Ra	_	Internal Address:	One AMD Place
Additional name(s) of conveying party(les) attach	ed Yes 🖌 No		_
Nature of conveyance;			
🗹 Assignment 🗌 N	lerger	.	
Security Agreement	hange of Name	Street Address:	P.O. Box 3453
Other Tabery, En & Jeon	- 2/6/02		
Yang & Lin - 3/13		City <u>: Sunnyvale</u>	State: <u>CA_</u> Zip: <u>94086-3453</u>
Execution Date: Ngo - 3/17/03.		Additional name(s) &	address(es) attached? 🚺 Yes 🔽 No
4. Application number(s) or patent num	ber(s):		
If this document is being filed togethe	er with a new applic	ation, the execution o	date of the application ls:
A. Patent Application No.(s) <u>10/</u>	331,938	B. Patent No.(\$)	
	Additional numbers atta	iched? Yes 🔽 No	
5. Name and address of party to whom concerning document should be maile	correspondence ed:	6. Total number of ap	oplications and patents involved:
Name: <u>Joseph J. Crimaldi</u>		7. Total fee (37 CFR	3.41)\$ <u>40.</u> 00
Internal Address:		Enclosed	
		Authorized to	be charged to deposit account
Renner, Otto, Boisselle & S	Sklar, LLP		
,,,,,,,,,_		8. Deposit account r	number:
Street Address: 1621 Euclid Avenue	, 19th Floor		
		18-0988	
City: <u>Cleveland</u> State: OHZip: 4-	4115		
	DO NOT USE	THIS SPACE	
9. Signature.	Λ		\mathcal{O}
Joseph J. Crimaldi, Reg. No.	41,690 / 24	x / lui	March 24, 2003
Name of Person Signing		Signature sheet, attachments, and o	Date desumenter
		required cover sheet information	
Co	mmfasioner of Patents & Tu Washington,	rademarka, Box Assignments D.C. 20231	

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PATENT REEL: 013509 FRAME: 0416

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ASSIGNMENT

For good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, the undersigned

Cyrus Tabery 1220 North Fair Oaks, #4102 Sunnyvale, California 94089 USA Citizenship: USA

William G. En 495 Alexander Way Milpitas, California 95035 USA Citizenship: USA

Minh Van Ngo 40986 Canyon Heights Drive Fremont, California 94539 USA Citizenship: USA Chih-Yuh Yang 1144 Little John Way San Jose, California 95129 USA Citizenship: USA

Joong S. Jeon 10705 Flora Vista Avenue Cupertino, California 96014 USA Citizenship: Korgar *USA*

Ming-Ren Lin 10970 Santa Teresa Drive Cupertino, California 95014 USA Citizenship: USA

hereby sell(s) and assign(s) to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

TREATMENT OF DIELECTRIC MATERIAL TO ENHANCE ETCH RATE

for which application for United States Letters Patent has been filed on December 30, 2002 under Serial No. 10/331,938, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, and all United States provisional patent applications on which priority is claimed, including but not limited to, application Serial No. 60/344,191, filed on December 28, 2001, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby

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authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

Signed:

William G. En

752~

Joona S. Jeon

ng-Ren Lin

Date:

3/6/03

3/13/03

316103

3/13/03

CERTIFICATE OF ACKNOWLEDGMENT				
State of				
County of Jana Claur_				
On March 6, 2003 before me	≥,			
T- Bicknell Notan Pu	ublic_			
	Name and Title of Officer (e.g., "Jane Doe, Notary Public")			
personally appeared CYMS Tab	en			
Name(s) of Signer	(s) personally known to me - OR - Xproved to me on			
T. BICKNELL Commission # 1222610 Notary Public - California Santa Clara County My Comm. Expires May 30, 2003	the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
- A	WITNESS my hand and official seal.			
	Signature of Notary Public			
CERTIFICATE OF	ACKNOWLEDGMENT			
CERTIFICATE OF State of California	ACKNOWLEDGMENT			
	ACKNOWLEDGMENT			
State of California				
State of <u>California</u> County of <u>Jank Clara</u> On <u>March 13, 2003</u> before me	ablic			
State of <u>California</u> County of <u>Janka Clara</u> On <u>March 13, 2003</u> before me <u>T.B. Krell, Notay P</u>	Name and Title of Officer (e.g., "Jane Doe, Notary Public")			
State of <u>California</u> County of <u>Janka Clara</u> On <u>March 13, 2003</u> before me <u>T.B. Krell, Notay P</u>	Name and Title of Officer (e.g., "Jane Doe, Notary Public") M = M = M = M (s)			
State of <u>California</u> County of <u>Janks Claus</u> On <u>March 13, 2003</u> before me <u>T.B. Karell</u> , Notay H personally appeared <u>Chih - Yu</u>	Name and Title of Officer (e.g., "Jane Doe, Notary Public")			
State of <u>Cultania</u> County of <u>Jentz Uau</u> On <u>March 13</u> , 2003 before me <u>T.BICKNELL</u> Personally appeared <u>Chih - Yu</u> Name(s) of Signer	Name and Title of Officer (e.g., "Jane Doe, Notary Public")			

PATENT REEL: 013509 FRAME: 0419

CERTIFICATE OF ACKNOWLEDGMENT			
State of California			
County of Sanda Uma			
On March 6, 2003 before me	,		
1. BICKNell Notan Pul	<u>9/1/,</u> ame and Title of Officer (e.g., "Jane Doe, Notary Public")		
personally appeared			
Name(s) of Signer(<u> (5/) · </u>		
T. BICKNELL Commission # 1222610 Notary Public - California Santa Clara County My Comm. Baires May 30, 2003	□ personally known to me - OR - ▷ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
AF	WITNESS my hand and official seal.		
	Signature of Notary Public		
CERTIFICATE OF ACKNOWLEDGMENT			
State of California			
County of Arnth UMA			
On <u>Mar. 6, 2003</u> before me	÷,		
T. Bicknell Notan Public Name and Title of Officer (e.g., "Jane Doe, Notary Public")			
personally appeared	Ten		
Name(s) of Signer(s)			
T. BICKNELL Commission # 1222610 Norary Public - California Santa Clare County My Comm. Baires May 30, 2003	- E personally known to me - OR - P proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
AT2	WITNESS my hand and official seal.		
	Signature of Notary Public		

Page 4 of 5

CERTIFICATE OF ACKNOWLEDGMENT				
State of				
County of Santa Uma				
On March 17, 2013 before me,				
T. Bickney, Notany Pu	ame and Title of Officer (e.g., "Jane Doe, Notary Public")			
minh Van Ngo				
T. BICKNELL Commission # 1222610 Notary Public - California Santa Clara County My Comm. Boirts May 30, 2003	Pepersonally known to me - OR - □ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
-Hor	WITNESS my hand and official seal.			
	Signature of Notary Public			
CERTIFICATE OF ACKNOWLEDGMENT				
State of California				
County of Inta Clana				
On March 13, 2003 before me.	·			
T. Bicknell, Notan Public." Name and Title of Officer (e.g., "Jane Doe, Notary Public")				
personally appeared Ming-Ren L	10			
T. BICKI/ELL Commission # 1222610 Notary Public - California Santa Clara County My Comm. Batitas May 30, 2003	s) = personally known to me - OR - P proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Signature of Notary Public			

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