12-20-2000 FORM PTO-1595 SHEET U.S. DEPARTMENT OF COMMERCE (REV 6-93) Patent and Trademark Office OMB No. 0651-011 (exp.4/94) 101556448 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof Name of conveying party(ies): Name and address of receiving party(ies): Bhanwar SINGH Name: Advanced Micro Devices, Inc. Ramkumar SUBRAMANIAN Khoi A. PHAN Bharath RANGARAJAN Internal Address: Michael K. TEMPLETON Additional name(s) of conveying party(ies) attached? [x] Yes [] No Street Address: One AMD Place, P. O. Box 3453 3. Nature of conveyance: [X] Assignment [] Merger City: Sunnyvale] Security Agreement [] Change of Name State/Country: California, U.S.A. ZIP: 94088 Other ____ Execution Date: 10/24/;10/25/;10/30;11/27/00 Additional name(s) & address(es) attached? [] Yes [x] No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 10/24/(10/25)10/30 A. Patent Application No.(s) B. Patent No.(s) 12/0 /2000 SSITHIB1 00000087 09729294 04 FC:581 Additional Numbers attached? [] Yes [x] No 07/172925 5. Name and address of party to whom 6. Total number of applications and patents involved: [1] correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41)\$ 40.00 Gregory Turocy Name: Internal Address: __ [X] Enclosed [] Authorized to be charged to deposi; account Street Address: Amin, Eschweiler & Turocy, L.L.P. 24th Floor, 1900 East 9th Street 3. Deposit account number: Cleveland City: 50-1063 ____ ZIP: 44114 Ohio State: Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing it formation is true and correct and any attached copy is a true copy of the original document.

Gregory Turocy

Name of Person Signing Sign

Signature Dec 4 2000 Date

Reg. No. 36,952 Total number of pages including cover sheet attachments, and document: [8]

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

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U.S. Department of Commerce Patent and Trademark Office PATENT

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Enter additional Conveying Parties	Mark if additional	names of conveying par	ties attached	Execution Date
Name (line 1) Sanjay K. YEDUR			- 1	Month Day Year
Salijay N. TEDOK				11/27;10/25/00
Name (line 2) Bryan K. CHOO				-
				Execution Date Month Day Year
Name (line 1)				
Name (line 2)			<u> </u>	
				Execution Date
Name (line 1)				Month Day Year
Name (line 2)				
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Enter additional Receiving Party(ies)	L J Mar	k if additional names of	receiving parties	attached
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PATENT REEL: 011340 FRAME: 0764

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Bhanwar Singh 17122 Heatherwood Way Morgan Hill, CA 9503 1

Ramkumar Subramanian 4271 Norwalk Drive, #X-105 San Jose, CA 95129

Khoi A. Phan 3841 Thousand Oaks Drive San Jose, CA 95136

Bharath Rangarajan 2295 Dolores Avenue Santa Clara, CA 95050

Michael K. Templeton 80 Fifteenth Avenue Atherton, CA 94027

Santa Clara, CA 95050. San Ramon, (1)

Bryan K. Choo 234 Escuela Ave., #74 Mountain View, California 940-0

hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMI Płace, 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

GRAINLESS MATERIAL FOR CALIBRATION SAMPLE

for which application for United States Letters Patent has been filed on Serial No. _____ or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States. including all divisional, renewal. substitue, 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 light 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 assignce 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 authorized to issue or transfer all said Letters Patent to said assignce 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.

Signed:	Date:
1- Sinh	10/24/0
Rhonwar Singh	- · · · · · · · · · · · · · · · · · · ·

CERTIFICATE OF ACKNOWLEDGMENT

CER	THICKIE OF MCKING WEEDGINENT
State of Californic Sant County of Sant On 10-24-2000 personally appeared	before me. Wi NoNA C. ORANGE Public - Name and Title of Officer (e.g., "Jane Doe, Notary Public") EVANUAR SMAN
MINCHA C. CRANGE 11277-00.	Personally known to me - OR - Typroved 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
	Sound Charles and Sound State County

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Ramkumar Subramanian	
<u>CERTIFI</u>	CATE OF ACKNOWLEDGMENT
personally appeared	Name and Title of Officer (e.g., "Jane Doe, Notary Public") Personally known to me OR - proved to me on the basis of satisfactory evidence to be the person(*) whose name(*) in/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in (his/her/their authorized capacity(res)), and that by (his/her/their signature(*)) on the instrument the person(*), or the entity upon behalf of which the person(*) acted, executed the instrument. WITNESS my hand and official seal.
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Signed:	Date: U
pho A. Pl	10/24/00
Khoi A. Phan	
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Notary Frible California Sonta Clara County My Cornin Expires April, 200	WITNESS my hand and official seal. Signature of Notary Public

AMD Docket No. E0781

Page 3 of 5

Notary A Chi Stanco Sonto Keto Mario My Comm Expres April 2008

WITNESS my hand and official seal.

Signature of Notary Public

the entity upon behalf of which the person(s) acted, executed

Page 4 of 5

the instrument.

Signed: Sanjay K. Yedur	Date:	
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Signed:	Date:	
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State of County of On personally appeared	before mé	ame and Title of Officer (e.g., "Jane Doe, Notary Public")
		personally known to me - OR - [I] 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), of the entity upon behalf of which the person(s) acted executed the instrument.
		WITNESS my hand and official seal.
		Signature of Notary Public

AMD Docket No. E0781

Page 5 of 5

Signed: \	Date:
	SEE previous
Sanjay K. Yedur	- page
· _	ERTIFICATE OF ACKNOWLEDGMENT
State of	
On	before me
personally appeared	
	Same (s) of Signers. □ personally known to me - OR - □ proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is/are subscribed to the within instrument a acknowledged to me that he/she/they executed the same his/her/their authorized capacity(ies), and that his/her/their signature(s) on the instrument the person(s), the entity upon behalf of which the person(s) acted, execute the instrument.
4	WITNESS my hand and official seal.
	Signature of Notary Public
Signed:	Date:
Bryan K. Choo	3./25/2008
<u>C</u>	RTIFICATE OF ACKNOWLEDGMENT
State of Califux County of Santa On 10-25 200 personally appeared	Claria
Whateval Commission # 10 Notary Public Control Cks a Comm. Expires A	Mforma }

Page 5 of 5

PATENT REEL: 011340 FRAME: 0770

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