03-10-2003 ORM P 0-1595 (Modified) RECORDATION FORM COVER: COMMERCE Rev. 03-11) DMB No. 651-0027 (exp.5/31/2002) 3-5-03 PATENTS ONL lemark Office 08A/RE\03 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): Cyvil Cabral, Jr. Fenton R. McFeelv Alessandro C. Callegari Vijay Narayanan Name: International Business Machines Corporation Michael A. Gribelyuk Deborah A. Neumayer Address: New Orchard Road Paul C. Jamison Pushkar Ranade Sufi Zafar Dianne L. Lacey Additional names(s) of conveying party(ies) Yes X No Nature of conveyance: **⊠** / ssignment Merger City: Armonk ☐ Security Agreement ☐ Change of Name State/Prov.: NY □ (ther Country: USA ZIP: 10504 Exect tion Date: 2/14; 2/18; 2/20 and 2/27/2003 Additional name(s) & address(es) ☐ Yes X No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: 2/14; 18; 20; 27/2003 Filing date B. Patent No.(s) Patent Application No. 10/291,334 10291334 00000052 500510 13/0**7/200**: GTON11 01 FC:802 40.00 CH ☐ Yes 🔀 No Additional numbers 5 Nam and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Nam :: Steven Fischman 7. Total fee (37 CFR 3.41):....\$ 40.00 Enclosed - Any excess or insufficiency should be Registration No. 34,594 credited or debited to deposit account Addr :ss: SCULLY, SCOTT, MURPHY & PRESSER Authorized to be charged to deposit account 400 Garden City Plaza 8. Deposit account number: 50-0510/IBM _____ State/Prov.: NY City: Garden City (Attach duplicate copy of this page if paying by deposit account) ZIP: 11530 Cour try: USA 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 true copy of the original document. February 28, 2003 Steven Fischman Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

Patents & Trademarks, Box Assignments
Washington D.C. 20231

(15954)

REEL: 013812 FRAME: 0845



IBM Docket No.: YOR920020283US1

SSMP: 15954

ASSIGNMENT

Whereas, we

Inventor and City	(1) Cyril Cabral, Jr. County of Westchester	City of Ossining and State of New York
a nd	(2) Alessandro C. Callegari County of Westchester	City of Yorktown Heights and State of New York
a rd	(3) Michael A. Gribelyuk County of Dutchess	City of Poughquag and State of New York
a 1d	(4) Paul C. Jamison County of Dutchess	City of Hopewell Junction and state of New York
a nd	(5) Dianne L. Lacey County of Putnam	City of Mahopac and State of New York
a 1d	(6) Fenton R. McFeely County of Westchester	City of Ossining and State of New York
a 1d	(7) Vijay Narayanan County of New York	City of New York and state of New York
a nd	(8) Deborah A. Neumayer County of Fairfield	City of Danbury and State of Connecticut
and	(9) Pushkar Ranade County of Washington	City of Hillsboro and State of Oregon
and	(10) Sufi Zafar County of Westchester	City of Briarcliff Manor and state of New York

have invented certain improvements in

DEPOSITION OF HAFNIUM OXIDE AND/OR ZIRCONIUM OXIDE AND FABRICATION OF PASSIVATED ELECTRONIC STRUCTURES

Lates That	and have executed, respectively, a United States patent application therefor on			
Inventors Signed the Declaration	(1) (3) (5) (7) (9) February 27, 2003	2002, and (2) 2002, and (4) 2002, and (6) 2002, and (8) 2002 , and (10)	2002, and 2002, and 2002, and 2002. and 2002.	

IBM Docket No.: YOR920020283U\$1

SSMP: 15954

ASSIGNMENT

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named nereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set torth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City	(1) Signed at				
)ate	on	(Cyril First Name	Middle Initial	Cabral, Jr. Last Name	signature) inventor
ity	(2) Signed at				
ate	on	(Alessandro First Name	C. Middle Initial	Callegari Last Name	signature) inventor
City	(3) Signed at				
)ate	on	(Michael First Name	A. Middle Initial	Gribelyuk Last Name	signature) inventor
ity	(4) Signed at				
)ate	on	(Paul First Name	C. Middle Initial	Jamison Last Name	_signature) inventor
ity	(5) Signed at				
)ate	on	(Dianne First Name	L. Middle Initial	Lacey Last Name	_signature) inventor
lity	(6) Signed at				
)ate	on	(Fenton First Name	R. Middle Initial	McFeely Last Name	_signature) inventor

IBM Docket No.: YOR920020283US1

SSMP: 15954

ASSIGNMENT

City	(7) Signed at				
C ate	on	(Vijay First Name	Middle Initial	Narayanan Last Name	signature) inventor
City	(8) Signed at				
Cate	on	(Deborah First Name	A. Middle Initial	Neumayer Last Name	signature) inventor
C ty	(9) Signed at Hills boro, OR on February 27, 2003		well		
C ate	on February 27, 2003	(Pushkar First Name	Middle Initial	Ranade Last Name	signature) inventor
C ty	(10) Signed at				
D ate	on	(Sufi First Name	Middle Initial	Zafar Last Name	signature) inventor

IBM Decket No.: YOR920029283US1

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+ nd	(3) Michael A. Gribelytik County of Dutchess	The Market Committee of the Committee of
÷. nd _{et sv. wa}	County of Dutchess	City of Hopenett Junction.
i nd	(8) Dignas L. Lacey County of Putnam	City of Mahopac and State of New York
i nd	(6) Fenton R. McFeety County of Westchester	City of Ossining and State of New York
e nd	(7) Vijey Narayanan County of New York	City of New York and state of New York
ਰ 1d	(8) Deborah A. Neumayer County of Fairfield	City of Denbury and State of Connecticut
∉ n d	(9) Pushkar Ranade County of Washington	City of Hillsboro and State of Oregon
· n d	(10) Suff Zafer County of Westchester	City of Briarcilli Manor and state of New York
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	(5) 2/18/03 2002, and (6) 2002, and (7) 2002, and (10)	2/18/03 2002.

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PATENT

REEL: 013812 FRAME: 0849

IBM Docket No.: YOR920929283US1

88MP: 15954

ASSIGNMENT

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of pusiness at Armonic, New York 10504, (hereinefter called HM), decires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereaf is hereby acknowledged, we the above named hereby ell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention herein disclosed for the United States and foreign countries, and all rights of priority resulting from the filling of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

ity ate	(1) Signed at Yorktown Heights NY, 10:38 on 2/18/2003	(Cyrill Middle Initial	Gebras, Jr. Luit Name	_signature) linventor
ity ate	(2) Signed at YORKTOWN HEIGHTS NY 10595 on 2/14/03	Alma C. (Alessandro C. First Name Middle Initia	Collegin' Gallegari i Last Name	signature) inventor
ity ate	(3) Signed at $Frshkill$, $NY12533$ on $2/20/03$	(Michael A. G. Middle Initia	irlbelyuk) Inven al Last Name	_signature tor
ity l ate	(4) Signed at YORKTOWN HEIGHTS, MY on 2/18/03	Paul C. Sam (Paul C. First Name Middle Initis	Jemison	_signature) inventor
ity late	(5) Signed at 102kthe. 1 HEIDINTS NY 10546 on 2/18/03	(Diarree L. Middle Inthi	Lacey el Lest Name	_signature) inventor
ilty late	(6) Signed at Yourkness 11-1944 on 2 (18/03)	(Fertion R. Middle Initial	SELFooty al Lest Name	_signature) inventor

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ISM Docket No.: YOR920020283U81

SMP: 15954

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(7) Signed at YORKI OWN MELKHTS ity 02/14/03 ate First Name (8) Signed at Yorkfoun Heights on 2/18/03 ity ate First Name (ity (9) Signed at on (Pushkar First Name (10) Signed at Yorktown Heights NY 10598 on 2.114/03

RECORDED: 03/05/2003

| North | North | North | Inventor | Invento

Last Name

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