503215683 03/12/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3262298

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME NEEDS TO BE CHANGED TO: INTERNATIONAL BUSINESS MACHINES CORPORATION previously recorded on Reel 013594 Frame 0192. Assignor(s) hereby confirms the CHANGE ASSIGNEE FROM INTERNATIONAL BUSINESS MACHINES CORP

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS D COOLBAUGH	12/12/2002
JOHN M COTTE	12/12/2002
EBENEZER E ESHUN	12/12/2002
KENNETH J STEIN	12/12/2002
KUNAL VAED	12/12/2002
RICHARD P VOLANT	12/12/2002

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10319724

CORRESPONDENCE DATA

Fax Number: (845)892-6363

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: efiplaw@us.ibm.com

Correspondent Name: YUANMIN CAI Address Line 1: 2070 RTE 52

Address Line 2: 482

Address Line 4: HOPEWELL JUNCTION, NEW YORK 12533

ATTORNEY DOCKET NUMBER:	FIS920020156US1
NAME OF SUBMITTER:	YUANMIN CAI
SIGNATURE:	/Yuanmin Cai/

PATENT 503215683 REEL: 035190 FRAME: 0728

DATE SIGNED:	03/12/2015
Total Attachments: 9	
source=fis920020156us1_Recordation_	Assignment#page1.tif
source=fis920020156us1_Recordation_	Assignment#page2.tif
source=fis920020156us1_Recordation_	Assignment#page3.tif
source=fis920020156us1_Recordation_	Assignment#page4.tif
source=fis920020156us1_Recordation_	Assignment#page5.tif
source=fis920020156us1_Recordation_	Assignment#page6.tif
source=fis920020156us1_Recordation_	Assignment#page7.tif
source=fis920020156us1_Recordation_	Assignment#page8.tif
source=fis920020156us1_Recordation_	Assignment#page9.tif

	- 12-24-2002	Docke	et No.: FIS920020156US1
FORM PTO-1595 (Modified) (Rev. 03-01)		R SHEET	U.S. DEPARTMENT OF COMMERCE
OMB No. 0651-0027 (exp.5/31/2002) P08/REV03			Patent and Trademark Office
Tab settings 🔷 🔷 🔻	102320101	∀ . ∀ .	A A
To the Honorable Commission	oner of Patents and Trademarks	: Please record the attached	original documents or copy thereof.
1. Name of conveying party(lest DOUGLAS D. COOLBAUG) EBENEZER E. ESHUN, KEI VAED, RICHARD P. VOLA	s): H, JOHN M. COTTE, NNETH J. STEIN, KUNAL	2. Name and address of	
/2//	10/00	Internal Address: N/A	<u></u>
Additional names(s) of conveying par	rty(ies) e Yes 🗵 No		3.1.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3
3. Nature of conveyance:			\$ 9
Assignment ■ Assignment	☐ Merger	Street Address: NEW	ORCHARD ROAD
☐ Security Agreement	☐ Change of Name		
☐ Other		City: ARMONK	State: NY ZIP: 10504
Execution Date: 12/12/02,12/1	2/02,12/12/02,12/12/02, 2/12/02	Additional name(s) & addres	ss(es) attached? 🔲 Yes 💥 No
4. Application number(s) or pat			
If this document is being filed A. Patent Application No.(s)	I together with a new application EXPRESS MAIL NOT EUTO 225987408 THEREBY CERTIFY THAT THIS CORRESPONDEPOSITED WITH THE U.S. POSTAL SERVIN MAIL IN AN ENVELOPE ADDRESSED TO COMPATENTS AND TRADEMARKS, WASHINGTO APPLICANT AND/OR ATTORNEY REQUESTED DEPOSIT AS THE FILE DATE. DATE OF DEPOSIT: 12/13/02 BY SIGNATURE & DATE Additional applications of the course of the co	NDENCE IS SERS Patent No.(s) CE AS EXPRESS MMISSIONER OF N. D.C. 20231 STHE DATE OF THE DATE OF	pplication is: 12/12/02,12/12/02, 12/12/02, 12/12/02 12/12/02, 12/12/02
Name and address of party t concerning document should			ations and patents involved:
Name: DELEO & PETERSO	ON, LLC	7. Total fee (37 CFR 3.41);\$ 40.00
Internal Address: N/A		☐ Enclosed - Any exc	ess or insufficiency should be
, 2/24/2002 LNEELLER 00000008 090450	10310354	credited or debited	
1 FC:8021 40.00 CM		🖄 Authorized to be ch	arged to deposit account
Street Address: 121 WHITN	EY AVE	8. Deposit account number	ar;
1		09-0458F1576	
City: NEW HAVEN	State: CT ZIP: 06510	(Attach duplicate copy of the	nis page if paying by deposit account)
O. Dintamant and allows and	DO NOT	USE THIS SPACE	
 Statement and signature. To the best of my knowledge of the original document. 	and belief, the foregoing inform	ation is true and correct and	any attached copy is a true copy
TIFFANY L. TOWNSEND		/ <u> </u>	12/13/02
Name of Person Signature Total	ning number of pages including cover sh	Signature Signature eet, attachments, and docume	nt: Date
	······································		

ASSIGNMENT

	Whereas, we	
Inventor and City	(1) Douglas D. Coolbaugh County of Chittenden	City of Essex Junction and State of Vermont
and		
	(2) John M. Cotte	City of New Fairfield
	County of Fairfield	and State of Connecticut
and		
	(3) Ebenezer E. Eshun	City of Essex Junction
	County of Chittenden	and State of Vermont
and		
	(4) Kenneth J. Stein	City of Sandy Hook
	County of Fairfield	and State of Connecticut
and		
	(S) Kunal Vaed	City of Paughkeepsie
	County of Dutchess	and State of New York
and		
	(6) Richard P. Volant	City of New Fairfield
	County of Fairfield	and State of Connecticut
	have invented certain improvements in	
Title	DAMASCENE INTEGRATION SCI	HEME
	FOR DEVELOPING METAL-INSU	LATOR-
	METAL CAPACITORS	
Date That	and have executed, respectively, a United	d States natent anniversion therefor an
Inventors	(1) Dec. 12 , 2006, and (2)	20
Signed the Declaration	and (3) Dec- 12 2002, and (4	20
Cachagan	(1) Dec. 1d 2006 and (2) and (3) Dec- 12 2002 and (4) and (5) 20 and (6)	20
	Whereas, INTERNATIONAL BU	SINESS MACHINES CORPORATION, a corporation
	of New York, having a place of business	is at Armonk, New York 10504, Thereinafter called
	18M), desires to acquire the entire rig	ht, title and interest in the said application and
	invention, and to any United States and for	preign patents to be obtained therefor;

PAGE 1 OF 3

PATENT

REEL: 035190 FRAME: 0731

ASSIGNMENT (continued)

TITLE DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby 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 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.

City	(1) Signed at ESSEX City	Tunchin Vermon	J-
Oate	on 12/12 20.02	Douglas of Coolbaugh	Signature
Coy	(2) Signed at City		
Oate	on26	State	signature
		John M. Cotte	2.9.444.7
City	(3) Signed at Escex J	state of	
Date	on 12/12 2002	Ebenezer E. Eshun	signature
City	(4) Signed atCity	S	
	City	Sate	***************************************
Jene	on20		Signature
		Kenneth J. Stein	D. Carro

PAGE 2 OF 3

ASSIGNMENT (continued)

TITLE: DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS

City	(5) Signed at		
	City	State	
Date	00		ď.
		Kunal Vaed	zignature
City	(6) Signed at		
	City	State	
Osso	on, 20		1. 4 .1 .72
		Richard P. Volant	signature
hmfin	933640000 mms		

ibm110036400088gn1

PAGE 3 OF 3

man was a second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second with the second with the second was a second was a second with the second was a second with the second was a second was a second was a second with the second was a second was a second with the second was a second with t

ASSIGNMENT

	Whereas, we	
Inventor and City	(1) Douglas D. Coolbaugh County of Chittenden	City of Essex Junction and State of Vermont
and	(2) John M. Cotte County of Fairfield	City of New Fairfield and State of Connecticut
and	(3) Ebenezer E. Eshun County of Chittenden	City of Essex Junction and State of Vermont
and	(4) Kenneth J. Stein County of Fairfield	City of Sandy Hook and State of Connecticut
and	(5) Kunal Vaed County of Dutchess	City of Poughkeepsie and State of New York
and	(6) Richard P. Volant County of Fairfield	City of New Fairfield and State of Connecticut
Title	have invented certain improvements in DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS	
Oate That Inventors Signed the Declaration	and have executed, respectively, a United States pater (1)	, 20 (32 ,
	Whereas, INTERNATIONAL BUSINESS MAC	HINES CORPORATION, a corporation

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;

ASSIGNMENT (continued)

TITLE: DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby 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 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.

City	(1) Signed atCity	State	
Date	on20	Douglas D. Coolbaugh	signature
City	•	N. K.	••••
Date	on 12/12 20 02	John M. Cotte	signature
City	(3) Signed atCity	Stale	PANA.
Date	on, 20	Ebenezer E. Eshun	signature
City	(4) Signed at Fishkell	NU State	
Date	on 12/12 ,2002	Kenneth J. Stein	signature

PAGE 2 OF 3

ASSIGNMENT (continued)

TITLE: DAMASCENE INTEGRATION SCHEME FOR DEVELOPING METAL-INSULATOR-METAL CAPACITORS

Ciry Date	(5) Signed at 2 11 Shkull City on 12/12, 20 02	State Van/	signature
		Kunal Vaed	•
m.	and the second of the second		
City Date	(6) Signed at F. F. S. M. F. M. S. M	State	

ibmf100364000asgn1

PAGE 3 OF 3