PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chih-Chao Yang	06/14/2007
Daniel C Edelstein	06/15/2007

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:	11766261

CORRESPONDENCE DATA

Fax Number: (845)892-6363

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

8458929701 Phone:

nesheh@us.ibm.com Email: Correspondent Name: Rosa S Yaghmour 2070 Route 52 Address Line 1:

m/d 482 Address Line 2:

Address Line 4: Hopewell Junction, NEW YORK 12533

ATTORNEY DOCKET NUMBER:	FIS920070229
NAME OF SUBMITTER:	Rosa S Yaghmour

Total Attachments: 2

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PATENT

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PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), Armonk, New York 10504	
a corporation of New York, and IBM desires to acquire all right, title, and interest (identified below), applications, and any United States and foreign patents to be	st, in and to the certain inventions e obtained therefore relating to:
Title of Invention for METAL CAP WITH ULTRA-LOW k DIELECTRIC M INTERCONNECT APPLICATIONS	ATERIAL FOR CIRCUIT
United States Patent	
as set forth in United States Patent Application executed by each undersigned inventor signature below, and further identified by Attorney Docket Number F (select one):☐ executed concurrently herewith or ☐ Serial No	IS920070229US1;
for and to said United States Patent Application including any and all divisions any and all Letters Patent of the United States and foreign patents and all right which may issue on any such application or for said invention therein disclosed extensions thereof, to be held and enjoyed by, its successors, legal representaterm or terms for which any and all such Letters Patent may be granted as fully and enjoyed by the undersigned had this Assignment not been made;	s of priority to be obtained therefore I, including any and all reissues or tives and assigns to the full end of the
Each undersigned inventor hereby authorizes and requests the Commissioner any and all such Letters Patent to IBM, its successors and assigns, in accordance	of Patents and Trademarks to issue noe herewith;
Each undersigned inventor warrants and covenants that he/she has the full and assign the interests hereby sold and assigned and that he/she has not execute or instrument in conflict herewith;	d unencumbered right to sell and id and will not execute any document
Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;	
Each undersigned inventor hereby grants the IBM and the firm of the power to identification which may be necessary or desirable for recordation of this Assignment.	insert in this Assignment any further nment.
This assignment is governed by the substantive laws of the state of New York.	
PATENT ASSIGNMENT FORM	
Executed by Inventor 1 of 2	
Signature: (Chih-Chao Yang) Date: 0/4	Dovg C.L.
Executed by Inventor 2 of 2	
Signature: Date:	

(Daniel C. Edelstein)

PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), Armonk, New York 10504

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefore relating to:

(identified below), applicat	ions, and any United States and foreign patents to be obtained therefore relating to:
Title of Invention for United States Patent	METAL CAP WITH ULTRA-LOW k DIELECTRIC MATERIAL FOR CIRCUIT INTERCONNECT APPLICATIONS
as set forth in United State inventor signature below, a (select one). A executed coffor and to said United State any and all Letters Patent which may issue on any seextensions thereof, to be hearm or terms for which any and enjoyed by the underse	es Patent Application executed by each undersigned inventor on the date indicated by each and further identified by Attorney Docket Number FIS920070229US1 ; oncurrently herewith or Serial No Filed on es Patent Application including any and all divisions or continuations thereof and in and to of the United States and foreign patents and all rights of priority to be obtained therefore uch application or for said invention therein disclosed, including any and all reissues or eld and enjoyed by, its successors, legal representatives and assigns to the full end of the y and all such Letters Patent may be granted as fully and entirely as would have been held igned had this Assignment not been made; Thereby authorizes and requests the Commissioner of Patents and Trademarks to issue attent to IBM, its successors and assigns, in accordance herewith;
Each undersigned inventor	warrants and covenants that he/she has the full and unencumbered right to sell and sold and assigned and that he/she has not executed and will not execute any document
ibly, will execute and delivinventions and improvement and the and improvements and the and its legal representative improvements and for vestisaid above-identified certain	further covenants and agrees that he/she, upon the request and at the expense of the er any papers, make all rightful oaths, testify in any legal proceeding relating to said hts, communicate to the IBM all facts known to the undersigned relating to such inventions history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, is, to secure, maintain, and enforce patent protection for such inventions and ing title to such inventions and improvements in the IBM, and in particular to perfect title to in inventions, and applications including divisions and continuations thereof, and any and by be granted therefor or thereon, including reissues, extensions, or counterparts;
Each undersigned inventor identification which may be	hereby grants the IBM and the firm of the power to insert in this Assignment any further necessary or desirable for recordation of this Assignment.
This assignment is governe	ed by the substantive laws of the state of New York.
	PATENT ASSIGNMENT FORM
- N	Executed by Inventor 1 of 2
Signature:(Chih-Ch	Date:Date:
6-0	C C HA

Date:

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(Daniel C. Edelstein)