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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Chih-Chao Yang	07/23/2008
Kaushik Chanda	07/31/2008
Daniel C. Edelstein	07/23/2008

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:	12191522

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	FIS920080277US1
NAME OF SUBMITTER:	Lisa U. Jaklitsch

Total Attachments: 2

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PATENT REEL: 021454 FRAME: 0290

ASSIGNMENT

	- 11		
INVENTOR	Whereas, we		
AND CITY	(1) Chih-Chao Yang County of Albany		of Glenmont, and State of New York
	and (2) Kaushik Chanda County of Dutchess		of Fishkill, and State of New York,
	and (3) Daniel C. Edelstein County of Westchester		of White Plains, and State of New York,
thave invented cert	ain improvements in		
METAL CAP	FOR BACK END OF LINE (BEOL) I	NTERCONNECTS, DESIG	GN STRUCTURE AND METHOD OF
	M	ANUFACTURE	
DATES THAT INVENTORS	and executed, respectively, a Unit		on therefore on
SIGNED THE DECLARATION	(1), 2008, (2) (3) フノス , 2008,	<u>,</u> 2008,	
DECEMINATION	(3) $\frac{7}{23}$, 2008,		
business at Ar the said applic Now therefore sell, assign, ar and invention of priority resu issue any Lett and we hereb	monk, New York 10504, (hereinafter cation and invention, and to any Uniter, for a valuable consideration, receipend transfer to IBM, its successors and therein disclosed for the United Statulting from the filing of said United Statulting From the filing of the invention of the	r called IBM), desires to act and states and foreign pate of whereof is hereby acknowld assigns, the entire right, es and foreign countries, a lates application, and we read that application are set forth in said application.	wledged, we, the above named, hereby title and interest in the said application and in all foreign countries, and all rights equest the Commissioner of Patents to ation to IBM, its successors and assigns; invention and we will execute all papers
Signed and sealed	d:		
(1)Chih-Cha	o Yang	on	, 2008
(2)Kaushik (Chanda	on	, 2008
(3) Janua Daniel C.	AC. Edileten Edelstein	on 7/23	, 2008

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PATENT REEL: 021454 FRAME: 0291

ASSIGNMENT

INVENTOR AND CITY Whereas, we

(1) Chih-Chao Yang County of Albany

and (2) **Kaushik Chanda**County of Dutchess

and (3) **Daniel C. Edelstein** County of Westchester

of Glenmont, and State of New York

of Fishkill,

and State of New York,

of White Plains,

and State of New York,

have invented certain improvements in

RECORDED: 08/28/2008

METAL CAP FOR BACK END OF LINE (BEOL) INTERCONNECTS, DESIGN STRUCTURE AND METHOD OF MANUFACTURE

DATES THAT INVENTORS SIGNED THE DECLARATION and executed, respectively, a United States patent application therefore on

(1) $\frac{7}{23}$, 2008, (2) $\frac{7}{31}$, 2008,

(3) , 2008

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 therefore;

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 in all 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 inventions 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.

Signe	d and sealed:		α	
(1)	Chih-Chao Yang	on _	1/23	_, 2008
(2)	Kaushik Chanda	on _	7/31	_, 2008
(3)	Daniel C. Edelstein	on _		_, 2008

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PATENT REEL: 021454 FRAME: 0292