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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Scott R. Cottier	10/30/2007
Sang Hoo Dhong	11/05/2007
Rajiv V. Joshi	10/30/2007
Juergen Pille	10/31/2007
Osamu Takahashi	10/30/2007

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	P O BOX 218
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11935741

CORRESPONDENCE DATA

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Correspondent Name: James J. Bitetto

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Address Line 4: WOODBURY, NEW YORK 11797

ATTORNEY DOCKET NUMBER:	YOR920070481US1 (163-192)
NAME OF SUBMITTER:	James J. Bitetto

PATENT REEL: 020084 FRAME: 0135

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Total Attachments: 5

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> PATENT REEL: 020084 FRAME: 0136

Attorney Docket:

YOR920070481US1 (163-192)

ASSIGNMENT

	Whereas, we	
INVENTOR AND CITY	(1) Scott R. Cottier County of Williamson and	of Cedar Park, and State of Texas,
	(2) Sang Hoo Dhong County of Santa Carla and	of San Jose, and State of California,
	(3) Rajlv V. Joshi County of Westohester and	of Yorktown Heights, and State of New York,
	(4) Juergen Pille Country of Germany (5) Osamu Takahashi	of Stuttgart,
	County of Williamson	and State of Texas,
*	have invented certain improv	rements in
TITLE LE	EVEL SHIFTER FOR BOOSTI	NG WORDLINE VOLTAGE AND MEMORY CELL PERFORMANCE
DATES THAT INVENTORS	and executed, respectively, a	united States patent application therefor on
SIGNED THE DECLARATION	(1) October 30 (3) October 30 and (5) October 30	_,2007,(2) <u>November 5</u> ,2007, _,2007,(4) <u>October 31</u> ,2007.
business at Arr the said application of the said application of the said application of the said and invention of the said and Letters Pathereby agree the in connection were said application of the	nonk, New York 10504, (hereliation and invention, and to any for a valuable consideration, red transfer to IBM, its successonerein disclosed for the United grom the filing of said United lent granted upon the invention at IBM may apply for foreign L	CHINES CORPORATION, a corporation of New York, having a place of nafter called IBM), desires to acquire the entire right, title and interest in United States and foreign patents to be obtained therefor; ecelpt whereof is hereby acknowledged, we, the above named, hereby as and assigns, the entire right, title and interest in the said application States and foreign countries, and in all foreign countries, and all rights of States application, and we request the Commissioner of Patents to issue a set forth in said application to IBM, its successors and assigns; and we etters Patent on said invention and we will execute all papers necessary gn applications when called upon to do so by IBM.
Signed and sealed		
Scott R. Cottier (IN		on $10/30$, 2007
Sang Hoo Dhong (INVENTOR NAME)	on, 2007
Rajiv V. Joshi (INV	ENTOR NAME)	on

ASSIGNMENT

	Whereas, we		
INVENTOR AND CITY	(1) Scott R. Cottler County of Williamson		of Cedar Park,
	and (2) Sang Hoo Dhong County of Santa Carla		and State of Texas, of San Jose, and State of California,
. 1	and (3) Rajiv V. Joshi County of Westchester and		of Yorktown Heights, and State of New York,
	(4) Juergen Pille Country of Germany		of Stuttgart,
	(5) Osamu Takahashi County of Willlamson		of Round Rock, and State of Texas,
7171 F	have invented certain improvem		
DATES THAT	LEVEL SHIFTER FOR BOOSTING and executed, respectively, a Ur		
INVENTORS SIGNED THE DECLARATION	(1), 2 (3), 2 and (5)		
DECEMBRION	and (5)	. 2007.	, 2007.
business at A	TERNATIONAL BUSINESS MACHII Armonk, New York 10504, (hereinalt ication and invention, and to any Uni	er called IBM), desires to acqu	pration of New York, having a place of ire the entire right, title and interest in to be obtained therefor;
sell, assign, a and invention priority result any Letters P hereby agree	and transter to IBM, its successors a therein disclosed for the United Stating from the filing of said United Stati atent granted upon the inventions se that IBM may apply for foreign Lette	nd assigns, the entire right, titil tes and foreign countries, and es application, and we request at forth in said application to IB ars Patent on said invention and	edged, we, the above named, hereby e and interest in the said application in all foreign countries, and all rights of the Commissioner of Patents to issue M, its successors and assigns; and we d we will execute all papers necessary
in dominacion	with the United States and foreign a	ipplications when called upon (to do so by IBM.
Signed and seale	d		
Scott R. Cottier (NVENTOR NAME)	on	_, 2007
Sang Hop Dhong	(INVENTOR NAME)	an 11/5	_, 2007
Rajiv V. Joshi (IN	VENTOR NAME)	on	., 2007

1 of 2

Attorney Docket: YOR920070481US1 (163-192)

ASSIGNMENT

	Whereas, we			
INVENTOR	(1) C+ D C-+			
AND CITY	(1) Scott R. Cottier County of Williamson		of Cedar Park, and State of Texas.	
	and		and State of Texas,	
	(2) Sang Hoo Dhong		of San Jose,	
	County of Santa Carla		and State of California,	
	and			
	(3) Rajiv V. Joshi		of Yorktown Heights,	
	County of Westchester and		and State of New York,	
	(4) Juergen Pille		of Stuttgart,	
	Country of Germany		o. Ololiga, i	
	(5) Osamu Takahashi		of Round Rock,	
	County of Willliamson		and State of Texas,	
	have invented certain improven	nents in		
TITLE L	EVEL SHIFTER FOR BOOSTING	WORDLINE VOLTAGE	AND MEMORY CELL PERFORMANC	Ε
DATES THAT	and executed, respectively, a U	nited States patent applic	ation therefor on	
INVENTORS				
SIGNED THE DECLARATION	(1)	2007, (2)	, 2007,	
DECLARATION	and (5)	2007, (4)		
business at Ar		fter called IBM), desires to	corporation of New York, having a place acquire the entire right, title and interestatents to be obtained therefor;	
	•	•	•	
sell, assign, ar	nd transfer to IBM, its successors	and assigns, the entire rig	mowledged, we, the above named, here that the said application in the said application.	on
			s, and in all foreign countries, and all rigi	
			equest the Commissioner of Patents to a to IBM, its successors and assigns; an	
hereby agree t	that IBM may apply for foreign Leti	ters Patent on said inventi	on and we will execute all papers neces	
it coulectou	with the United States and foreign	applications when called	upon to du so by IBIVI.	
Signed and sealed	i			
	·			
		on	, 2007	
Scott B. Cottier (II	NVENTOR NAME)	UII	, 2007	
Cook Ti. Cokier (ii	(1112)			
			0007	
Sana Hoo Dhona	(INVENTOR NAME)	on	, 2007	
Sang nee bliefig	(HAAFIALOLLIAVIAIE)			
D. M.	.1 -			
Rain 170.	The VENTOR NAME)	on 0(+20	,, 2007	
Rajiv V. Joshi (IN)	VENTOR NAME)		,	

1 of 2

PATENT REEL: 020084 FRAME: 0139 Attorney Docket: YOR920070481US1 (163-192)

on OCH 31 2007

Juergen Pille (INVENTOR NAME)

2 of 2

Osamu Takahashi (INVENTOR NAME)

PATENT REEL: 020084 PRAME 10中40年 Attorney Docket: YOR920070481US1 (163-192)

_______ on ________, 2007

Juergen Pille (INVENTOR NAME)

Osamu Takahashi (INVENTOR NAME)

on Oddar 30 , 2007

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PATENT REEL: 020084 FRAME: 0141