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ev. 03-01) MB No. 0651-0027 (exp.5/31/2002) 08A/REV03				Patent and Trademark Of
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	ed States Patent and Trademark C	ffice: Please reco	·	· · · · · · · · · · · · · · · · · · ·
1. Name of conveying party(ies): Joel P. Desouza Min Yang Devendra K. Sadana Haizhou Yin Katherine L. Saenger		2. Name ar	nd address of rece	
Chun-yung Sung		Address:	New Orchard Roa	d
Additional names(s) of conveying pa	arty(ies) 🛛 Yes 🛛 No			
B. Nature of conveyance:				** · · · · · · · · · · · · · · · · · ·
🛛 Assignment	Merger			
Security Agreement	Change of Name	City: Armo	onk Si	tate/Prov.: <u>NY</u>
Other		_ Country: U	SA	ZIP: 10504
Execution Date: <u>4/15,4/20, 4/1</u>	15, 4/20, 4/21, 4/15/05	Additional nar	ne(s) & address(es)	🗆 Yes 🖾 No
Patent Application No. 11/116,053	Filing date April 27, 2005	B.	Patent No.(s)	
i. Name and address of party			s 🔲 No mber of application	ns and patents involved:
concerning document should	to whom correspondence d be mailed:	6. Total nur	mber of application	
concerning document should Name: <u>Steven Fischman, Es</u>	to whom correspondence d be mailed:	6. Total nur 7. Total fee	mber of application (37 CFR 3.41):	\$ 40.00
concerning document should Name: <u>Steven Fischman, Es</u> Registration No. <u>34,594</u>	to whom correspondence d be mailed: sq.	6. Total nur 7. Total fee	mber of application (37 CFR 3.41): osed - Any excess	\$ <u>40.00</u> s or insufficiency should be
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concerning document should Name: <u>Steven Fischman, Es</u> Registration No. <u>34,594</u> Address: <u>400 Garden City J</u> <u>Suite 300</u>	to whom correspondence d be mailed: sq. Plaza	6. Total nur 7. Total fee Encl cred	mber of application (37 CFR 3.41): osed - Any excess ited or debited to o orized to be charg account number:	or insufficiency should be deposit account
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concerning document should Name: <u>Steven Fischman, Es</u> Registration No. <u>34,594</u> Address: <u>400 Garden City J</u> Suite 300 City: <u>Garden City</u> Country: <u>USA</u>	to whom correspondence d be mailed: sq. Plaza State/Prov.: _NY ZIP: 11530	6. Total nur 7. Total fee Encle credi X Auth 8. Deposit a 50-0510/2	mber of application (37 CFR 3.41): osed - Any excess ited or debited to o orized to be charg account number: IBM luplicate copy of this p	s or insufficiency should be deposit account
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concerning document should Name: <u>Steven Fischman, Es</u> Registration No. <u>34,594</u> Address: <u>400 Garden City J</u> <u>Suite 300</u> City: <u>Garden City</u> Country: <u>USA</u> D. Statement and signature. To the best of my knowledg of the original document. <u>Steven Fischman,</u>	to whom correspondence d be mailed: sq. Plaza State/Prov.: <u>NY</u> ZIP: <u>11530</u> DO NO te and belief, the foregoing infor Esq.	6. Total nur 7. Total fee Encle credi X Auth 8. Deposit a 50-0510/2 (Attach d	mber of application (37 CFR 3.41): osed - Any excess ited or debited to o orized to be charg account number: IBM luplicate copy of this p CE and correct and an	eage if paying by deposit account
concerning document should Name: <u>Steven Fischman, Es</u> Registration No. <u>34,594</u> Address: <u>400 Garden City J</u> <u>Suite 300</u> City: <u>Garden City</u> Country: <u>USA</u> D. Statement and signature. To the best of my knowledg of the original document.	to whom correspondence d be mailed: sq. Plaza State/Prov.: <u>NY</u> ZIP: <u>11530</u> DO NO te and belief, the foregoing infor Esq.	6. Total nur 7. Total fee 7. Total fee Encle credi Auth 8. Deposit a 50-0510/2 (Attach d DT USE THIS SPAC mation is true a Signature over sheet, attachm	mber of application (37 CFR 3.41): osed - Any excess ited or debited to o orized to be charg account number: IBM luplicate copy of this p CE and correct and an	40.00 s or insufficiency should be deposit account ged to deposit account ged to deposit account ged if paying by deposit account) y attached copy is a true copy May 13, 2005

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IBM Docket No.: YOR920050168US1 SSMP: 18780

ASSIGNMENT

Whereas, we

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Inventor and City	(1) Joel P. de Souza County of Putnam	City of Putnam Valley and State of New York
and	(2) Devendra K. Sadana County of Westchester	City of Pleasantville and State of New York
and	(3) Katherine L. Saenger County of Westchester	City of Ossining and State of New York
and	(4) Chun-yung Sung County of Dutchess	City of Poughkeepsie and State of New York
and	(5) Min Yang County of Westchester	City of Yorktown Heights and State of New York
and	(6) Halzhou Yin County of Dutchess	City of Beacon and State of New York
	have invented certain improvements in	n

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FIELD EFFECT TRANSISTOR WITH MIXED-CRYSTAL-ORIENTATION CHANNEL AND SOURCE/DRAIN REGIONS

Dates That Inventors Signed the Declaration

Title

and have executed, respectively, a United States patent application therefor on

1	(1) (3) (5)	April 15 April 15 4/21		4/15/05	2005, and 2005, and 2005.
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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 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.

PAGE 1 OF 2

PATENT REEL: 016218 FRAME: 0190

IBM Docket No.: YOR920050168US1 SSMP: 18780

ASSIGNMENT

City Date	(1) Signed at York Town Heights, dy on April 15, 2005	P. Desouza) inventor Name Middle Initial Last Name
City	(2) Signed at York town Heyph N	
Date	on April 20,2005 Deve First N	····· ,
City	(3) Signed at Yorktown Hts, NY	
Date	on April 15, 2005 Ka (Kathe First M	
City	(4) Signed at Vorletown 1975. NY	γ_{μ}
Date	on April 20 /2505	Jung Sung inventor Name Middle Initial Last Name
City	(5) Signed at Yorktown Heights, NY	1 0-44
Date	on $4\frac{1}{21}\frac{1}{5}$	Name Middle Initial Last Name
City	(6) Signed at Yorktown Heights NY	$-\rho_{\Lambda}$
Date	on 4/15/05 (Haizt First)	

PAGE 2 OF 2

PATENT REEL: 016218 FRAME: 0191

RECORDED: 05/13/2005