FORM PTO-1595 (Rev. 6-93)



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

R SHEET

102331510	Attorney Docket No.: 053785-5094					
To the Commissioner for Patents						
Please record the attached original documents or copy the 1. Name of conveying party(ies):	ereof. ATTN: BOX ASSIGNMENT 2. Name and address of receiving party(ies):					
Jac-Yong PARK	Name: LG.Philips LCD Co., Ltd.					
Choong-Keun YOO Ock-Hee KIM Nam-Yang LEE Kwan-Soo KIM	Internal Address:					
Additional names of conveying party(ies) attached? [] Yes [X] No	Street Address: 20, Yoido-dong, Youngdungpo-ku, Seoul, Korea					
3. Nature of conveyance:	City: State: Zip:					
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other	Additional name(s) & address(es) attached?					
Execution Date: <u>December 20, 2002</u>	[]Yes [X] No					
4. New Application number(s) or patent number(s): NI	EW APPLICATION					
If this document is being filed together with a new application	ation the execution date of the application is:					
December 20, 2002						
A. Patent Application No.(s)	B. Patent No.(s)					
Additional numbers attached: [] Yes [X] No						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1					
Name: Robert J. Gaybrick	7. Total fee (37 C.F.R. §3.41):\$40.00 [] Enclosed [X] Authorized to be charged to Deposit Account 50-0310					
Internal Address: Morgan, Lewis & Bockius LLP Customer No. 09629	8. Deposit Account No. 50-0310 (Attach duplicate page if paying by deposit account)					
Street Address: 1111 Pennsylvania Avenue, N.W. City: Washington State: D.C. Zip: 20004						
copy of the original document.	formation is true and correct and any attached copy is a true					
Robert J. Goodell - Reg. No. 41,040 Name of Person Signing Signature	December 27, 2002 Date number of pages including cover sheet, attachments and documents: 3					
D 14/18	number of pages including cover sheet, attachments and documents: 3					
40.00 CH						

PATENT REEL: 013627 FRAME: 0354

_		1 1	\sim 1		Í	
		¹	-		1	
-						
			ATTOR	NEY DOO SO	LEJOINT II	53785-5094 NVENTION Rights Only)
			İ			
	ASSIGN	MENT				
WHEREAS I/We, the below named inve	entor(s), l'hereinafu	r referred to as As	ssignor(s)], ha	ive made a	n invention	entitled:
	LECTROLUMIN		1			
AND M	ETHOD OF FAR	RICATING THE	ESAME		ļ	
			haranith ord	ee ee balë	lication for	United States
which I/WE executed an application for Unite tters Patent on, (Serial No); and					
WHEREAS, LG.Philips LCD Co., Ltd., Seoul, Korea (hereinafter referred to as Assig application for United States Letters Patent of	mee), is desirous d	f securing the enti	re right, uti q.	and intere	AL ILL FING TO A	oungdungpo- nis invention,
NOW THEREFORE, be it known that, knowledged, I/WE, as assignor(s), have sold, as the assignment its laughtly successors and assignment.	for good and value assigned, transferre	ble consideration d, and set over, an e right, title, and is	the receipt of ad do hereby s	which from tell, assign to this inv	n assignce is transfer, an ention and th	a sei over His
plication, and all divisions, and continuations i reissues thereof; and I/WE hereby authorize a	thereof, and all Le	ters Patent of the l	ents and Trabe	which may marks of	ne United St	tates to issue
Letters Patent for this invention to assignee, it	ts successors and a	asigns, in accorda	nce with the to	erms of thi	a Assignmen	14,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M ners when called upon to do so, execute and do	ts successors and a t and agree that I/V E/US respecting the cliver all papers th	/E will, without fu is invention and to at may be necessar	rther conside estify in any li	ration, cor egal proce to perfec	municate w ding, sign a the title to t	ith assignce, } awful this invention
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M spers when called upon to do so, execute and desaid assignse, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood	ts successors and a t and agree that IV E/US respecting the letiver all papers that the all divisional, its successors and	/E will, without fur is invention and to at may be necessar or tinuation, and nassigns, to obtain	nce with the the critical considerable of the construction of the	ration, cor egal proce to perfec ations, mal proper pate	imunicate widing, sign a the title to the all rightful nt protection	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M said assignee, its successors and assigns, execute and desaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and re is application, to insert here in parentheses (Ap	ts successors and a trand agree that IV E/US respecting the letiver all papers that the all divisional, its successors and and that any expense equest the attorney	TWE have empor	rther considerstify in any life of the consideration of sufficient the life of the consideration of sufficient in the life of	ration, coregal proceet to perfections, male proper pate to papers and papers and perfections and perfections are filling dataset.	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power	ith assignce, Il lawful this invention toaths and tor this to by the
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M said assignee, its successors and assigns, execute and d said assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and re	ts successors and a transfer and agree that IV E/US respecting the letiver all papers that all divisional, its successors and that any expense equest the attorney pplication No.	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra the extra three may be necessar or tinuation. The extra three may be necessar or tinuation. The extra three may be not three may	nce with the ti arther conside estify in any li ry or desirable essue applica and enforce p ecution of su- wered in the I	ration, coregal proceet to perfections, male proper pate to papers and papers and perfections and perfections are filling dataset.	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M said assignee, its successors and assigns, execute and desaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Ap said application when known. IN TESTIMONY WHEREOF, I/WE has	ts successors and a t and agree that IV E/US respecting the liver all papers that all divisional, its successors and add that any expensequest the attorney application No.	TWE have empore	rther considerstify in any life of the consideration of sufficient the life of the consideration of sufficient in the life of	ration, coregal proceet to perfections, male proper pate the papers of t	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M spers when called upon to do so, execute and desaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understocking its successors and assigns. AND, I/WE HEREBY authorize and register application, to insert here in parentheses (Ap said application when known. IN TESTIMONY WHEREOF, I/WE have	ts successors and a translation and agree that IV E/US respecting the letiver all papers that all divisional, its successors and that any expense equest the attorney pplication No. Assignor's S	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain assigns, to obtain incident to the extra the component of the	arther considerstify in any liver and enforce processing application of surveyed in the families of the modern 27,	ration, corregal process to perfect to perfect to perfect the papers. Declaration of filing data 2002	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power and application.	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and desaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has a property of the parenthese of First Assignor face-Yong PARK	ts successors and a t and agree that IV E/US respecting the liver all papers that all divisional, its successors and add that any expensequest the attorney application No.	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain assigns, to obtain incident to the extra the component of the	arther considerstify in any liver and enforce processing application of surveyed in the families of the modern 27,	ration, coregal proceet to perfect the papers of the paper	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power and application.	ith assignce, It lawful this invention to oaths and to this to by the of Attorney in ation number
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and re is application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has Full Name of First Assignor [ae-Yong PARK] Address 307-801 Hangaram-Hanyang APT Ganyang-G	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S	TWE have empored and solve the series of the	arther considers the restriction of surface and enforce proceed in the Roman March 27,	ration, corregal procee to perfections, male proper pate ch papers Declaration of this papers Declaration of this papers Declaration of this papers Declaration of this papers Citizen	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications.	ith assignce, It lawful this invention to oaths and to this to by the of Attorney in ation number
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and refis application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE have been supplied to the first Assignor fae-Yong PARK Address 307-801 Hangaram-Hanyang APT., Ganyang-6431-060, Korea	ts successors and a trand agree that IVE/US respecting the liver all papers the uterall divisional, its successors and that any expense equest the attorney application No. Assignor's S Assignor's S Assignor's S DAZ dong, Dongan-gu,	E will, without fur is invention and to at may be necessar or tinuation, and reassigns, to obtain incident to the extra twee have empored. LWE have empored. The central description of the extra transportation of the extra tr	arther considers the restriction of surface and enforce proceed in the Roman March 27,	ration, corregal proces to perfect to perfect to perfect to papers. Declaration of filing data 2002 Date DEC Citizer Republ	imunicate widing, sign at the title to the all rightful nt protection hall be born and Power and application.	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and refis application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has full Name of First Assignor [ae-Yong PARK] Address [307-801 Hangaram-Hanyang APT., Ganyang-Gall-O60, Korea] Pull Name of Second Assignor	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S Assignor's S Assignor's S	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra to	nrther considerstify in any livery or desirable eissue application of surveyed in the factorial than the fac	ration, corregal procee to perfections, male to papers. Declaration e filing data 2002 Date Declaration data	amunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and application and specific ship c of Korea	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understocking its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Application when known. IN TESTIMONY WHEREOF, I/WE has a policy of the person	ts successors and a trand agree that IVE/US respecting the liver all papers the uterall divisional, its successors and that any expense equest the attorney application No. Assignor's S Assignor's S Assignor's S DAZ dong, Dongan-gu,	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra two parts of the control of the contr	nrther considerstify in any livery or desirable eissue application of surveyed in the factorial than the fac	ration, corregal procee to perfections, male to perfect papers. Declaration e filing dat 2002 Date DEC Citizes Republ	imunicate widing, sign at the title to the call rightful nt protection hall be born and Power and application of Korea	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and refis application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has full Name of First Assignor [ae-Yong PARK] Address [307-801 Hangaram-Hanyang APT., Ganyang-Gall-O60, Korea] Pull Name of Second Assignor	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S JAZ dong, Dongan-gu, Assignor's S Chooke	Exigns, in accordance will, without further invention and to at may be necessary or tinuation, and massigns, to obtain a incident to the extension of the exten	arther considered in the restriction of surface and enforce processing and enforce processi	ration, corregal procee to perfections, male or papers Declaration e filing dat 2002 Date DEC Citizes Republ Date Citizes	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understocking its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Application when known. IN TESTIMONY WHEREOF, I/WE has a policy of the person	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S JAZ dong, Dongan-gu, Assignor's S Chooke	Exigns, in accordance will, without further invention and to at may be necessary or tinuation, and massigns, to obtain a incident to the extension of the exten	arther considered in the restriction of surface and enforce processing and enforce processi	ration, corregal procee to perfections, male or papers Declaration e filing dat 2002 Date DEC Citizes Republ Date Citizes	imunicate widing, sign at the title to the call rightful nt protection hall be born and Power and application of Korea	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executerally do everything possible to aid assignee, vention in the United States, it being understocking its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Application when known. IN TESTIMONY WHEREOF, I/WE has a policy of the person	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S JAZ dong, Dongan-gu, Assignor's S Chooke	Exigns, in accordance will, without further invention and to at may be necessary or tinuation, and massigns, to obtain a incident to the extension of the exten	arther considered in the restriction of surface and enforce processing and enforce processi	ration, corregal procee to perfections, male or papers Declaration e filing dat 2002 Date DEC Citizes Republ Date Citizes	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignce,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executed assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has been provided by the said application when known. Full Name of First Assignor fae-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the Grant Parenthese (Apsaid Parenthese) Ganyang-of the Company of Second Assignor Choong-Keun YOO Address 103-610 Gwangmyeong APT., Cheongcheon2-	ts successors and a trand agree that IVE/US respecting the liver all papers that all divisional, its successors and that any expense equest the attorney application No. Assignor's S JAZ dong, Dongan-gu, Assignor's S Chooke	E will, without fur is invention and to at may be necessary or tinuation, and massigns, to obtain incident to the extra two parts of the extra to th	arther considers the control of the	ration, corregal procee to perfections, male or papers. Declaration e filing data 2002 Date DEC Citizer Republication Republic	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignce, It lawful this invention to oaths and to this to by the of Attorney in ation number
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executed assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has been provided by the said application when known. Full Name of First Assignor fae-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the Grant Parenthese (Apsaid Parenthese) Ganyang-of the Company of Second Assignor Choong-Keun YOO Address 103-610 Gwangmyeong APT., Cheongcheon2-	ts successors and a trand agree that IVE/US respecting the liver all papers through the all divisional, its successors and add that any expense equest the attorney application No. Assignor's Solution Assignor's Solution Assignor's Solution Solut	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra to	arther considers the control of the	ration, corregal procee to perfections, male or papers. Declaration e filing data 2002 Date DEC Citizer Republication Republic	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignce, It lawful this invention to oaths and to this to by the of Attorney in ation number
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, executed assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and resist application, to insert here in parentheses (Apsaid application when known. IN TESTIMONY WHEREOF, I/WE has been provided by the said application when known. Full Name of First Assignor fae-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the Grant Parenthese (Apsaid Parenthese) Ganyang-of the Company of Second Assignor Choong-Keun YOO Address 103-610 Gwangmyeong APT., Cheongcheon2-	ts successors and a trand agree that IVE/US respecting the liver all papers through the all divisional, its successors and add that any expense equest the attorney application No. Assignor's Solution Assignor's Solution Assignor's Solution Solut	E will, without fur is invention and to at may be necessary or tinuation, and massigns, to obtain incident to the extra two parts of the extra to th	arther considers the control of the	ration, corregal procee to perfections, male or papers. Declaration e filing data 2002 Date DEC Citizer Republication Republic	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignce, It lawful this invention to oaths and to this to by the of Attorney in ation number
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, execute and disaid assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. Full Name of First Assignor fac-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the cong-Keun YOO Address 103-610 Gwangmycong APT., Cheongcheon2-Names of a Names of a	ts successors and a trand agree that IVE/US respecting the liver all papers through the all divisional, its successors and add that any expense equest the attorney application No. Assignor's Solution Assignor's Solution Assignor's Solution Solut	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra to	arther considers the control of the	ration, corregal procee to perfections, male or papers. Declaration e filing data 2002 Date DEC Citizer Republication Republic	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, execute and disaid assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. Full Name of First Assignor fac-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the cong-Keun YOO Address 103-610 Gwangmycong APT., Cheongcheon2-Names of a Names of a	ts successors and a trand agree that IVE/US respecting the liver all papers through the all divisional, its successors and add that any expense equest the attorney application No. Assignor's Solution Assignor's Solution Assignor's Solution Solut	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra to	arther considers the control of the	ration, corregal procee to perfections, male or papers. Declaration e filing data 2002 Date DEC Citizer Republication Republic	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignee,
AND, I/WE HEREBY further covenant successors and assigns, any facts known to M pers when called upon to do so, execute and disaid assignee, its successors and assigns, execute and disaid assignee, its successors and assigns, executed in the United States, it being understood signee, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. AND, I/WE HEREBY authorize and register, its successors and assigns. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. IN TESTIMONY WHEREOF, I/WE has been successed as a polication when known. Full Name of First Assignor fac-Yong PARK Address 307-801 Hangaram-Hanyang APT Ganyang-of the cong-Keun YOO Address 103-610 Gwangmycong APT., Cheongcheon2-Names of a Names of a	ts successors and a trand agree that IVE/US respecting the liver all papers through the all divisional, its successors and add that any expense equest the attorney application No. Assignor's Solution Assignor's Solution Assignor's Solution Solut	E will, without fur is invention and to at may be necessar or tinuation, and massigns, to obtain incident to the extra to	arther considers the control of the	ration, corregal procee to perfect to perfect the papers of the papers o	imunicate widing, sign at the title to the title to the all rightful nt protection shall be born and Power and applications of Korea	ith assignee, Il lawful this invention to oaths and in for this to by the of Attorney in ation number

DOC-DEC-27 20:31 FRUM:NEITPATENT	01	TO:215 963 5299	P.007/007
~~	11	\cap	
		1	
]]		310 D50000 5004
		ATTORNEY DOCKET	NO: 053785-5094 DINT INVENTION
		SOLEM	(U.S. Rights Only)
		i i	(Olar zaBite Gall)
Full Name of Third Assignor	Assignor's Signature	Date	
• Ell (1980)	1 11	11	
Ock-Hee KIM	Cak-tee E	in 2002 De	ec. 10
Address		Citizenship	
711-ho Freeville, 435-1, Annyang6-dong, Manan Korea	-gu, Annyang-si, Lyconggi	Republic of K	Orea
Full Name of Fourth Assignor	Assignor's Si nature	Date	71 CA
I till tamin of I daith 1 registion	, waight a signature		
Nam-Yang LEE	Men	Dec. 20	. 2002
Address		Citizenship	
120-604 Samik APT., Naejeong-dong, Bundang-	gu. Seongnam-si Gyeonggi		
Korea Full Name of Fifth Assignor		Republic of K	orea
Fun Name of Pitth Assignor	Assignor's Signature	Date	
Kwan-Soo KIM	Caranta	Cin L	Per 200
Address		Citizenship	
203-1104 Samhojindeok, 518, Yuljeon-dong, Jan	gan-gu, Suwon-ii, Gycongg	i-do, 440-320,	[]
Korea		Republic of Ko	этеа
	11		
	[]		
	11	1 1	
		1	
	[]	1 1	
	I I	1 1	
		1 1	
		1	
	11	1 1	
		1 1	
	} }	1 1	
	1 1		
	11		
	j j	j	
	4 4	ł	
	I I	1 1	
		} i	
		1 1	
	1 1	1 1	
		į į	
	11	1 1	1
	11	1 1	
	11		
%T # × v			
Names of addi	tional inventors attached [Yes [X] No	
The state of the s	Morgan, Lewis & Bockius	LLP	
	Burn South The Dockins		
I-WA/1557688.1	11	}	}
	11	1 1	1
	11	1 1	
	11	, j	
	11		
	11		
		PAT	ENT '

RECORDED: 12/27/2002

REEL: 013627 FRAME: 0356