2001 Status & Hallery LLP       Fricenis ONLY         To the Director of the U.S. Pattert and Trademark Office: Please record the attached original documents or copy thereof.       Image: Comparison of Comparison party(les):         Hak-yeol Sohn       Pattern and Address of receiving party(les):       SAMSUNG ELECTRONICS CO., LTD.         416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea       Merger       Security Agreement         Security Agreement       Merger       Change of Name         Other:       Execution Date(s): January 31, 2005       Merger         4. Application number(s) or patent number(s):       Merger       Security Agreement         Other:       Execution date(s) of the application is/are: January 31, 2005       Merger         4. Application number(s) or patent number(s):       The execution date(s) of the application is/are: January 31, 2005       Merger         (b) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME       OR       OR         (c) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME       OR       OR         (c) Patent Application No(s).       ///	<u>,</u> )	TO-1595 RECOR	10293939	0	B. DEPARTMENT OF COMMERC	E	
To the Director of the U.S. Patent and Trademark Office: Plesse record the attached original documents or copy thereof.         I. Name of conveying party(ies):         Hak-yeol Sohn         2. Name and Address of receiving party(ies):         SAMSUNG ELECTRONICS CO., LTD.         416, Maetan-Dong, Yeongtong-gu,         Sumon-si, Gyeonggi-do         Republic of Korea         3. Nature of conveyance:	2001 St	aas & Halsey LLP	AICNIS ONLY				
Hak-yeol Sohn       0 GGG         2.       Name and Address of receiving party(ies):       SAMSUNG ELECTRONICS CO., LTD.         416, Maetan-Dong, Yeongtong-gu,       Sumon         Suwon-si, Gyeonggi-do       Republic of Korea         3.       Nature of conveyance:	To the	Director of the U.S. Patent and Trade		attached original docu	ments or copy thereof.		
2. Name and Address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea  3. Nature of conveyance:	1.					. 0	
SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea         3.       Nature of conveyance: 	_	·				26.1	
416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea         3.       Nature of conveyance: 	2.	Name and Address of receiving	g party(ies):			U.S 151	
Suwon-si, Gyeongj-do       Prepublic of Korea         3. Nature of conveyance:       ▲ Assignment Change of Name						14	
Republic of Korea         3. Nature of conveyance:         X       Assignment         Security Agreement       Change of Name         Other:       Execution Date(s):			J-gu,			1129	
X       Assignment       Merger         Security Agreement       Change of Name         Other:       Change of Name         Execution Date(s):       January 31, 2005         4.       Application number(s) or patent number(s):       This document is being filed together with a new application:         (a)       The execution date(s) of the application is/arc:       January 31, 2005         (b)       The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME         OR       Statent Application No(s).       ////////////////////////////////////						-	
X       Assignment       Merger         Security Agreement       Change of Name         Other:       Change of Name         Execution Date(s):       January 31, 2005         4.       Application number(s) or patent number(s):       This document is being filed together with a new application:         (a)       The execution date(s) of the application is/arc:       January 31, 2005         (b)       The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME         OR       Statent Application No(s).       ////////////////////////////////////	3	Nature of conveyance:					
<ul> <li>Cther:</li></ul>	0.	X Assignment					
<ul> <li>Execution Date(s): <u>January 31, 2005</u></li> <li>Application number(s) or patent number(s): <ul> <li>This document is being filed together with a new application:</li> <li>(a) The execution date(s) of the application is/are: <u>January 31, 2005</u></li> <li>(b) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME OR</li> <li>This document is being filed after filing of the application:</li> <li>(a) Patent Application No(s). <u>/</u>, filed; or</li> <li>(b) Patent No(s). <u>issued</u></li> </ul> </li> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP Our Docket: <u>1793,1583</u> Attention: <u>Michael E, Kondoudis</u> 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005</li> <li>53. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li></ul>			Change	e of Name			
<ul> <li>This document is being filed together with a new application: <ul> <li>(a) The execution date(s) of the application is/are: <u>January 31, 2005</u></li> <li>(b) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME OR</li> <li>OR</li> <li>This document is being filed after filing of the application: <ul> <li>(a) Patent Application No(s), <u>/</u>, filed; or</li> </ul> </li> <li>(b) Patent No(s). , issued</li> </ul> </li> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP Our Docket: <u>1793.1583</u> <ul> <li>Attention: Michael E. Kondoudis</li> <li>1201 New York Ave., N.W., Suite 700</li> <li>Washington, D.C. 20005</li> </ul> </li> <li>5. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li></ul>			31, 2005	-			
<ul> <li>This document is being filed together with a new application: <ul> <li>(a) The execution date(s) of the application is/are: <u>January 31, 2005</u></li> <li>(b) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME OR</li> <li>OR</li> <li>This document is being filed after filing of the application: <ul> <li>(a) Patent Application No(s), <u>/</u>, filed; or</li> </ul> </li> <li>(b) Patent No(s). , issued</li> </ul> </li> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP Our Docket: <u>1793.1583</u> <ul> <li>Attention: Michael E. Kondoudis</li> <li>1201 New York Ave., N.W., Suite 700</li> <li>Washington, D.C. 20005</li> </ul> </li> <li>5. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li></ul>	4.	Application number(s) or pater	1t number(s):				
<ul> <li>(b) The title is: METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME OR</li> <li>☐ This document is being filed after filing of the application: <ul> <li>(a) Patent Application No(s). //, filed; or</li> <li>(b) Patent No(s), issued</li> </ul> </li> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP Our Docket: <u>1793.1583</u> Attention: <u>Michael E. Kondoudis</u> 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005</li> <li>6. Total number of applications and patents involved:1</li> <li>7. Total fee (37 CFR 3.41)</li></ul>		This document is being file	ed together with a new app				
SAME OR         This document is being filed after filing of the application: <ul> <li>Patent Application No(s).</li> <li>Patent Application No(s).</li> <li>filed</li> <li>Patent Application No(s).</li> <li>filed</li> <li>or</li> <li>Patent No(s).</li> <li>fissued</li> </ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP</li> <li>Our Docket: <u>1793.1583</u></li> <li>Attention: <u>Michael E. Kondoudis</u></li> <li>1201 New York Ave., N.W., Suite 700</li> <li>Washington, D.C. 20005</li> <li>5. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li>					) DISK DRIVE USING '	THE	
<ul> <li>This document is being filed after filing of the application: <ul> <li>(a) Patent Application No(s). /, filed; or</li> <li>(b) Patent No(s), issued; or</li> <li>(b) Patent No(s), issued; or</li> </ul> </li> <li>5. Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLPOur Docket: <u>1793.1583</u> Attention: <u>Michael E. Kondoudis</u> 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005</li> <li>6. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li></ul>		SAME					
<ul> <li>(a) Patent Application No(s). /, filed; or</li> <li>(b) Patent No(s). , issued ,</li></ul>			ad after filing of the applics	ation:			
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed: STAAS &amp; HALSEY LLP Our Docket: <u>1793.1583</u> Attention: <u>Michael E. Kondoudis</u> 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005</li> <li>Total number of applications and patents involved: <u>1</u></li> <li>Total fee (37 CFR 3.41)</li></ol>		(a) Patent Application No(	(s). / , filed				
STAAS & HALSEY LLP       Our Docket: 1793.1583         Attention: Michael E. Kondoudis       1201 New York Ave., N.W., Suite 700         Washington, D.C. 20005       Washington, D.C. 20005         6.       Total number of applications and patents involved:1         7.       Total fee (37 CFR 3.41)		(b) Patent No(s).	, issued	·			
Attention: Michael E. Kondoudis 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005         6.       Total number of applications and patents involved:1         7.       Total fee (37 CFR 3.41)	5.	Name and address of party to			t should be mailed:		
<ul> <li>1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005</li> <li>5. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41)</li></ul>				cket: <u>1793.1583</u>			
<ul> <li>5. Total number of applications and patents involved: <u>1</u></li> <li>7. Total fee (37 CFR 3.41) (\$ 40.00 per Assignment) <u>X</u> Enclosed Authorized to be charged to deposit account.</li> <li>8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)</li> <li>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</li> <li>Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing</li> </ul>		1201 New York Ave., N.W., SL					
<ul> <li>7. Total fee (37 CFR 3.41) (\$ 40.00 per Assignment) <u>X</u> Enclosed Authorized to be charged to deposit account.</li> <li>8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)</li> <li>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</li> <li>Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing Signature January 31, 2005 Date</li> </ul>		Washington, D.C. 20005					
X       Enclosed         Authorized to be charged to deposit account.         B.       Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)         9.       Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.         Michael E. Kondoudis, Reg. No. 42,758       Multiple Mu		Total number of applications and patents involved: <u>1</u>					
X       Enclosed         Authorized to be charged to deposit account.         B.       Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)         9.       Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.         Michael E. Kondoudis, Reg. No. 42,758       Manuary 31, 2005         Name of Person Signing       Signature	6.	Total fee (37 CEB 3 41)	(\$ 40.00 per Assigr	nment)			
<ul> <li>B. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)</li> <li>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</li> <li>Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing</li> </ul>	6. 7.			·			
<ul> <li>(Attach duplicate copy of this page if paying by deposit account)</li> <li>Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> </li> <li>Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing         <ul> <li>Michael E. Kondoudis, Reg. No. 42,758 Signature</li> <li>January 31, 2005 Date</li> </ul> </li> </ul>		X Enclosed	فيتناهم والأمر والمتعام والمرام				
<ul> <li>Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.     </li> <li><u>Michael E. Kondoudis, Reg. No. 42,758</u> Name of Person Signing         Signature         January 31, 2005 Date     </li> </ul>		X Enclosed	ged to deposit account.				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <u>Michael E. Kondoudis, Reg. No. 42,758</u> Name of Person Signing		<u>X</u> Enclosed Authorized to be charged Deposit Account No.: 19-3935	5 (Any underpayment is a		arged to this Deposit Ac	count)	
Copy is a true copy of the original document.         Michael E. Kondoudis, Reg. No. 42,758         Name of Person Signing         Signature         January 31, 2005         Date	7.	<u>X</u> Enclosed Authorized to be charged Deposit Account No.: 19-3935	5 (Any underpayment is a		arged to this Deposit Ac	count)	
Michael E. Kondoudis, Reg. No. 42,758 Name of Person Signing Signature Date	7.	<u>X</u> Enclosed Authorized to be charge Deposit Account No.: 19-3935 (Attach duplicate copy of this p Statement and signature.	5 (Any underpayment is a bage if paying by deposit a	iccount)			
Name of Person Signing Signature Date	7. 8.	<u>X</u> Enclosed Authorized to be charge Deposit Account No.: 19-3935 (Attach duplicate copy of this p Statement and signature. <i>To the best of my knowledge a</i>	5 (Any underpayment is a bage if paying by deposit a and belief, the foregoing in	iccount)			
Name of Person Signing Signature Date	7. 8.	<u>X</u> Enclosed Authorized to be charge Deposit Account No.: 19-3935 (Attach duplicate copy of this p Statement and signature. <i>To the best of my knowledge a</i>	5 (Any underpayment is a bage if paying by deposit a and belief, the foregoing in	iccount)			
	7 <i>.</i> 8 <i>.</i> 9.	<u>X</u> Enclosed Authorized to be charge Deposit Account No.: 19-3935 (Attach duplicate copy of this p Statement and signature. <i>To the best of my knowledge a</i> <i>copy is a true copy of the origin</i>	5 (Any underpayment is a bage if paying by deposit a and belief, the foregoing in inal document.	account) Iformation is true a	nd correct and any attac		
Total number of pages including cover sheet: 0	7. 8. 9. <u>Michae</u>	X Enclosed Authorized to be charge Deposit Account No.: 19-3935 (Attach duplicate copy of this p Statement and signature. To the best of my knowledge a copy is a true copy of the origin	5 (Any underpayment is a bage if paying by deposit a and belief, the foregoing in inal document.	account) Iformation is true a	d correct and any attac		

PATENT REEL: 016238 FRAME: 0793

## U.S. ASSIGNMENT

RASE MOR

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(insert Name(a) & Address(as) of ASSIGNEE(S))

## SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and axcitative right, this and interest to the invention entitled (77th of invention)

## METHOD OF SECURELY ERASING DATA AND HARD DISK DRIVE USING THE SAME

relating to International Paton; Application PCT/JP\_\_\_\_\_\_ and/or for which application for Latians Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ; 31 January 2005

(insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No.;

Any registered attorney of STAAS & HALSEY U.P., 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) Is hereby authorized to insert in (b) the apecified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, release or reaxamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expanse of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for sociating, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the lassiance of said Letters Patent(s), in any interference, release, reexamination, or public use proceeding, and in any litigation or other legal propaeding which may artise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing swom testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/hei/heir signature(s). (Typed Name & Signature of Inventor(s)) (Date) (Typed Name & Signature of Witness(ss))

1)	f-lak-yesl	Sohn	31 Jan.	2005	······································
۰. ۵					
	······································	•			· · · · · · · · · · · · · · · · · · ·
			<u> </u>	·····	· · · · · · · · · · · · · · · · · · ·
6)					
7) <u> </u>		F	•		

**RECORDED: 01/31/2005**