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TO:ANTHONY KING COMPANY:2030 MAIN STREET, SUITE 1300

PATENT ASSIGNMENT Electronic Version v1.1 05/14/2009 Stylesheet Version v1.1 500860138 SUBMISSION TYPE: CORRECTIVE ASSIGNMENT Corrective Assignment to correct the Assignee name, Assignee name is spelled incorrectly. National Tsng Hua University is Incorrect. Tsng should be Tsing. NATURE OF CONVEYANCE: previously recorded on Reel 022633 Frame 0518. Assignor(s) hereby confirms the the assignment of the entire interest... **CONVEYING PARTY DATA** Name **Execution Date** CHENG WEN WU 04/30/2009 TE HSUAN CHEN 04/30/2009 YU YING HSIAO 04/30/2009 YU TSAO HSING 04/30/2009 RECEIVING PARTY DATA Name: NATIONAL TSING HUA UNIVERSITY Street Address: NO. 101, SEC. 2, KUANG FU ROAD City: HSINCHU State/Country: TAIWAN Postal Code: 300 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 12435055 **CORRESPONDENCE DATA** Fax Number: (949)743-8963 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 9492604797 Email: ahong@wpat.com Correspondent Name: Anthony King Address Line 1: 2030 Main Street, Suite 1300 Address Line 4: Irvine, CALIFORNIA 92614 ATTORNEY DOCKET NUMBER: 18506-284 NAME OF SUBMITTER: Anthony King

PATENT REEL: 022754 FRAME: 0633 Fm:MyFax - Alaine Hong (15712730140)

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TO: ANTHONY KING COMPANY: 2030 MAIN STREET, SUITE 1300

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TO: WPAT, PC INTELLECTUAL PROPERTY ATTORNEYS COMPANY: 2030 MAIN STREET, SUITE 1

PATENT ASSIGNMENT Electronic Version v1.1 05/04/2009 Stylesheet Version v1.1 500851160 SUBMISSION TYPE: **NEW ASSIGNMENT** NATURE OF CONVEYANCE: ASSIGNMENT **CONVEYING PARTY DATA** Name **Execution Date** CHENG WEN WU 04/30/2009 TE HSUAN CHEN 04/30/2009 YU YING HSIAO 04/30/2009 YU TSAO HSING 04/30/2009 **RECEIVING PARTY DATA** NATIONAL TSNG HUA UNIVERSITY Name: Street Address: NO. 101, SEC. 2, KUANG FU ROAD City: HSINCHU State/Country: TAIWAN Postal Code: 300 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 12435055 CORRESPONDENCE DATA Fax Number: (949)743-8963 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 949-260-4797 Email: ahong@wpat.com Correspondent Name: WPAT, PC INTELLECTUAL PROPERTY ATTORNEYS Address Line 1: 2030 MAIN STREET, SUITE 1300 Address Line 4: **IRVINE, CALIFORNIA 92614** ATTORNEY DOCKET NUMBER: 18506-284 NAME OF SUBMITTER: **Anthony King** Total Attachments: 2 source=US1108-assign#page1.tif

PATENT

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ASSIGNMENT

WHEREAS, I(we), WU, CHENG WEN, CHEN. TE HSUAN, HSIAO, YU YING, and HSING YU TSAQ, whose post office address(es) appear(s) below, hereinafter referred to as Assignor, have invented certain new and useful invention entitled

Non-Volatile Memory Management Method
(hereinafter referred to as the INVENTION) for which an application for United States Letters Patent (Utility Patent is executed on even date
herewith unless at least one of the following is checked:
United States Design Patent
Wits
C executed on:
☐ filed on: Serial No.:
Described to proper to the transfer of the second s
☐ established by PC1 International Patent Application No.: filed: designating the United States of America ☐ issued onas U.S. Patent No.:
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application for the full term or terms for which the same may be grunted, including all priority rights under any International Convention.
ASSIGNOR further covenants that no assignments, sale, agreement or encombrance has been or will be made or entered into which would conflict with this Assignment;
ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance, litigation and defense of any

ALSO, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to Assignee, as the Assignee of the entire right, title and interest in and to the same, for Assignee's sole use and behoof: and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by Assionor had this assignment and sale not been made.

patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to

Assignor's heirs, executors, administrators and other legal representatives.

ASSIGNOR authorizes any member of the firm of WPAT, PC (Customer No. 60951) to insert or complete any information in this document needed to effect its recordul in the U.S. Patent and Trademark Office.

PATENT REEL: 022754 FRAME: 0637

Assignor Name	Address
WU, CHENG WEN	DEPARTMENT OF ELECTRICAL ENGINEERING, NATIONAL TSING HUA UNIVERSITY, NO. 101, SEC. 2, KUANG FU ROAD, HSINCHU CITY 800, TAIWAN, R.O.C.
Signature of Assignar	Date of Signature 2009
Name of Wilness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

Assignor Name	Address
CHEN, TE HSUAN	DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 101, SEC. 2, KUANG FU ROAD, HSINCHU CITY 300, TAIWAN, R.O.C.
Signature of Assignor Te-Hsuan Chen	Date of Signature 2009
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Wuness (Optional)

Assignor Name	Address
HSIAO, YU YING	DEPARTMENT OF ELECTRICAL ENGINEERING, NATIONAL TSING MUA UNIVERSITY, NO. 101, SEC. 2, KUANG FUROAD, HSINCHU CITY 300, TAIWAN, R.O.C.
Signature of Assignar Tu-ling Hsiao	Date of Signature 30 April 2009
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Vitness (Optional)

Assignor Name	Address
HISING YUTSAO You tsao lotang	DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 101, SEC. 2. KUANG FU ROAD, HSINCHU CITY 300, TAIWAN, R.O.C.
Signature of Assignor	Date of Signature 30 April 2009
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)

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TO: ANTHONY KING COMPANY: 2030 MAIN STREET, SUITE 1300

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territorial possessions;

ASSIGNMENT

WHEREAS, I(we), <u>WU, CHENG WEN, CHEN, TE HSUAN, HSIAO, YU YING</u> and <u>HSING YUTSAO</u>, whose past office address(es) appear(s) below, bereinsfer referred to as Assanow, have invented certain new and useful invention emitted

Non-Volatile Memory Management Method

(hereinallic referred to as the invention) for which an application for United States Letters Potent Artifity Potent is executed on even date herewith unless at less one of the following is checked:

	United States Design Patent		
WES			
	C executed on:		
	PR	ial No.:	
	tstabilished by PCT international Patent Application No.:	filed:	designating the United States of America
	lssued on as U.S. Patent No.:		

WHEREAS, NATIONAL TSING HUA UNIVERSITY
whose post office address is NO. 101. SEC. 2. KUANG FU ROAD, HSINCHU TAIWAN 300, R.O.C.
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and its

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), Assessor, by these presents do sell, using and transfer into said Assessor, the entire right, title, and interest in and to said invisornow and application throughout the United States of America, including any and all Lenters Penent gramed on any division, communium, continuation-in-part and

reissue of said application for the full term or terms for which the surse may be granted, including all priority rights moder any inscriptional

ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment;

ALSO, Asserment horeby agrees to execute any determents that legally may be required in connection with the filing, presention and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNES in and to said invention, nit without further consideration. Assigned also agrees, without further consideration and at ASSIGNES expense, to determinely and communicate to ASSIGNES at request documents and information concerning the invention are within ASSIGNOR's postession or control, and to provide further assumences and testingny an behalf of ASSIGNES that invention may be required of ASSIGNOR in respect of the prosecution, maintenance, hitigation and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's being accuracy, administrators and other legal representatives.

ALSO, Assumer hereby authorizes and requests the Commissioner of Patents and Trademarks to insur any and all Length Patent referred to above to Assumes, as the Assumes of the entire right, title and interest in and to the same, for Assumes safe use and behavit and for the use and behavit of Assumes's legal representatives and successors, to the fall end of the term for which such Lotters Patent may be granted, as fully and entirely as the same would have been held by Assumer and this assignment and safe not been made.

ASSIGNOR authorizes any member of the firm of <u>WPAT_PC (Curamer No. 60951)</u> to insent or complete any information in this document product in effect its recordal in the U.S. Patent and Tradomack Office.

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RECORDED: 05/29/2009

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TO: ANTHONY KING COMPANY: 2030 MAIN STREET, SUITE 1300

Assignor Name	Address
WU, CHENG WEN	DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 101. SEC. 2. KUANG FU ROAD, HSINCHU CITY 800, TAIWAN, R.O.C.
Signature of Assignar	Dote of Signature 30 April 2009
Name of Winess (uptional)	Name of Hitness (aptional)
Signature of Witness (optional)	Signature of Witness (Optional)

Assignor Manu	Address
CHEN, TE HSUAN	DEPARAMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 101, SEC. 2, KUANG FU ROAD, HSINGHU CITY 300, TAIWAN, R.O.C.
Signature of Assignor Te-Hsuan Chen	Dury Semante 2009
Name of Winess (optional)	Name of Winess (aptional)
Signature of Witness (optional)	Signature of Witness (Optional)

Assignor Name	Address
HSIAO, YU YING	DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 101, SEC. 2, KUANG FU ROAD, HSINCHU CITY 100, TAIWAN, R.O.C.
Supromure of Assignor Tu-Ting Hsiao	Date of Signature 30 April 2009
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Wartess (Optional)

Assignor Name	Address
HISTORYUTBAO You today / Sing	DEPARTMENT OF ELECTRICAL ENGINEERING NATIONAL TSING HUA UNIVERSITY, NO. 191, SEC. 2. RUANG FURGAD, RESINCHU CITY 300, TAIWAN, R.O.C.
Signature of Assignor	Date of Signature 30 April 2009
Name of Witness (optional)	Name of Wilness (optional)
Signature of Winness (optional)	Signature of Witness (Optional)