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To the Director of the U.S. Patent and	103379211	cuments or the new address(es) below.
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	(s): Street Address: _4 _Yeongtong-gu Of Name City: _Suwon-si, Gyeo	16, Maetan-dong,
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory Lic Other 4. Application or patent number(s): A. Patent Application No.(s)	cense Country: <u>Republic o</u> Additional name(s) &	f Korea Zip: address(es) attached? Yes I No led together with a new application.)
Addition 5. Name and address to whom correspond concerning document should be mailed	nal numbers attached? Yes N ndence 6. Total number of	12/2007 EHAILE1 00000071 11794803 FC:8021 49.09 o f applications and patents
Name: <u>Anthony P. Onelio, Jr.</u> Internal Address:	7. Total fee (37 CF Authorized to	FR 1.21(h) & 3.41) \$ <u>40.00</u> be charged by credit card be charged to deposit account
Street Address: Mills & Onello LLP Eleven Beacon Street, Suite 605	Enclosed	(government interest not affecting title)
City: <u>Boston</u> State: <u>Massachusetts</u> Zip: <u>02108</u> Phone Number: (617) 994-4900		Last 4 ⁻ Numbers <u>1001</u> Expiration Date <u>01/09</u>
Fax Number: (617) 742-7774 Email Address: mail@millsonello.com		bunt Number
Anthony P. Onello, Jr., Registrat Name of Person Si		number of pages including cover 3

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ABSIGNMENT

We, Kwaag-Wook Xoh, of 102-702, Woossong Icha Apt., Jayang 3-dong, Gwangjia-gu, Seoul, Republic of Korea; and Hee-Seog Jeon, of 231-606, Woonsen 2 chs, Kwenseon-dong, Kwenseon-gu, Suwon-si, Gyconggi-do, Republic of Korea, having invented improvements in NONVOLATILE MEMORY DEVICES AND METHODS OF FORMING THE SAME described in an application for Letters Patent of the United Status, etcented by us on even date herewith, for good and valuable consideration, receipt of which is hereby acknowledged from Samming Electronics Co., Ltd., a Korean corporation having a place of business at 416, Mautan-dong, Ycongtong-gu, Suwon-ai, Gyconggi-do, Republic of Korea (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, socian and transfer unto the Assignee our entire right, title, and Interest in and throughout the United Statue of America (including its territories and dependencies) and all countries foreign thersto, in and to and under said application (which term shall include herehafter where the nonstriang and transfer used application (which term shall include herehafter where the foreign thersto, in and to and under said application (which term shall include herehafter where the nonstrices (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of analysis or on said applications thateof;) of any country which may be granted on or for which inventions or on said application;

And for the same consideration We do elso having sell, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other truthes of like purpose in respect of said inventions and said application, and We do hereby authorize the Assignee to apply in our same or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee to desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same coasideration, We do hereby agree for curseives and for our heirs, executors, and administrators, promptly spon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, relates or other application or applications for patent or patents or like rights of excission of any country, or other lawful documents and any further assumances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, this, and interest as aforeasid in and to said investions, applications, and said several papers and like rights of exclusion (including countries thereof) or any of them, all, however, at the exponse of the Assignee, its successors, or assignt;

And We do hereby antitorize and request the Commissioner of Patants and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to insue to the Avaignee, any and all patants and ifthe rights of exclusion which may be granted in any country upon said United States application on or for said investions;

And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to superse except the Assignee, that prior to the execution of this deed our right, title, and interast in and to said inventions has not been otherwise enclambered by us, and that We have not executed and will not execute any instruments in conflict hermstich.

Page 1 of 2

1.

First or Sole Inventor:

Signatures

Kuppnacook koh Kwaletwook Koh

Deto: 2007, 2-7

Second Joint Inventor:

Signature:

Hel Surg Jern Date: 2007.2.7 Hor Boog Jeon

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RECORDED: 02/08/2007

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