

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sung Min YOON</td><td>03/23/2009</td></tr><tr><td>Byoung Gon YU</td><td>03/23/2009</td></tr><tr><td>Soon Won JUNG</td><td>03/23/2009</td></tr><tr><td>Seung Yun LEE</td><td>03/23/2009</td></tr><tr><td>Young Sam PARK</td><td>03/23/2009</td></tr><tr><td>Joon Suk LEE</td><td>03/23/2009</td></tr></tbody></table>		Name	Execution Date	Sung Min YOON	03/23/2009	Byoung Gon YU	03/23/2009	Soon Won JUNG	03/23/2009	Seung Yun LEE	03/23/2009	Young Sam PARK	03/23/2009	Joon Suk LEE	03/23/2009
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<table border="1"><tr><td>Name:</td><td>Electronics and Telecommunications Research Institute</td></tr><tr><td>Street Address:</td><td>161 Gajeong-dong, Yuseong-gu</td></tr><tr><td>City:</td><td>Daejeon</td></tr><tr><td>State/Country:</td><td>REPUBLIC OF KOREA</td></tr><tr><td>Postal Code:</td><td>305-700</td></tr></table>		Name:	Electronics and Telecommunications Research Institute	Street Address:	161 Gajeong-dong, Yuseong-gu	City:	Daejeon	State/Country:	REPUBLIC OF KOREA	Postal Code:	305-700				
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
Fax Number: (425)968-9795 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	110SK-018800US														

OP \$40.00 12428628

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PATENT  
REEL: 022589 FRAME: 0975

NAME OF SUBMITTER:

Steve Y. Cho

Total Attachments: 2

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### ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NONVOLATILE PROGRAMMABLE SWITCH  
DEVICE USING PHASE-CHANGE MEMORY  
DEVICE AND METHOD OF MANUFACTURING  
THE SAME

Date(s) of Execution of Declaration: March 23, 2009

Filing Date: April 23, 2009

Application No.: 12/428,628; and

WHEREAS, Electronics & Telecommunications Research Institute of 161 Gajeong-dong, Yuseong-gu, Daejeon, Republic of Korea, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.


Assignors hereby authorize and request AMPACC Law Group, 13024 Beverly Park Rd., Ste 205, Mukilteo, WA 98275, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Mar. 23, 2009  
Date: \_\_\_\_\_

  
Name: Sung Min YOON

Mar. 23, 2009  
Date: \_\_\_\_\_

  
Name: Byoung Gon YU

Mar. 23, 2009  
Date: \_\_\_\_\_

  
Name: Soon Won JUNG

Assignment

Attorney Docket No.: 110SK-018800US

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03/23/2009

Date:

Mar 23, 2009

Date:

Mar. 27. 2009

Date:

01/26/09

Name: Seung Yun LEE

(S)

Name: Young Sam PARK

Lee Joon Suk

Name: Joon Suk LEE