

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONG SEON NO	05/10/2021
YOUNG SIK KIM	05/10/2021
JOON WOO LEE	05/10/2021
<b>RECEIVING PARTY DATA</b>	
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<b>Postal Code:</b>	08826
<b>Name:</b>	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, CHOSUN UNIVERSITY
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<b>Postal Code:</b>	61452
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17320181
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	PB21-0022
<b>NAME OF SUBMITTER:</b>	ANDREW S. PARK

<b>SIGNATURE:</b>	/Andrew S. Park/
<b>DATE SIGNED:</b>	05/13/2021
<b>Total Attachments: 2</b> source=PB21-0022_assign#page1.tif source=PB21-0022_assign#page2.tif	

**ASSIGNMENT**

WHEREAS,	Jong Seon NO, Young Sik KIM and Joon Woo LEE (hereinafter designated as the undersigned),
respectively, has (have) invented certain new and useful improvements in:	
<b>ELECTRONIC DEVICE FOR SORTING HOMOMORPHIC CIPHERTEXT USING SHELL SORTING AND OPERATING METHOD THEREOF</b>	
for which an application for Letters Patent was executed by the undersigned	

for Application No.	17/320,181	, Filed	May 13, 2021	, and
WHEREAS,	<b>Seoul National University R&amp;DB Foundation</b>			
(hereinafter referred to as "Assignee") having a place of business at:				
1, Gwanak-ro, Gwanak-gu, Seoul, 08826, Republic of Korea				
and,	<b>Industry-Academic Cooperation Foundation, Chosun University</b>			
(hereinafter referred to as "Assignee") having a place of business at:				
308(Seoseok-dong), Pilmun-daero, Dong-gu, Gwangju, 61452, Republic of Korea				

are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefore in the United States of America and in any foreign countries;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America, its territories, dependencies and possessions, and in any and all foreign countries and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue application thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with any interference which may be declared concerning this application.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

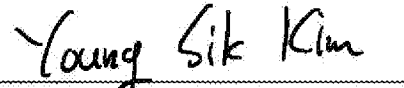
The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Park, Kim & Suh, LLC, 1999 Avenue of the Stars, Suite 1100, Century City, CA 90067 the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

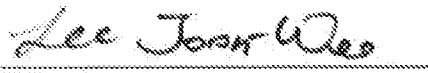
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Inventor's Signature:   
Jong Seon NO

Date: May 10, 2021

Inventor's Signature:   
Young Sik Kim

Date: May 10, 2021

Inventor's Signature:   
Joon Woo LEE

Date: May 10, 2021