

## 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>
WOOHYUN BACH	01/03/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HIDEEP INC.
<b>Street Address:</b>	(DASAN TOWER, SAMPYEONG-DONG) 3F, 49
<b>Internal Address:</b>	DAEWANGPANGYO-RO 644BEON-GIL, BUNDANG-GU
<b>City:</b>	SEONGNAM-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
<b>Postal Code:</b>	13493
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16266044
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<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>	KNP-202-US
<b>NAME OF SUBMITTER:</b>	MICHELE GREENBERG
<b>SIGNATURE:</b>	/mg/
<b>DATE SIGNED:</b>	02/02/2019
<b>Total Attachments: 2</b>	
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ASSIGNMENT & DECLARATION

WHEREAS, I, Woolhyun BACH (hereinafter the "Assignor"), residing at c/o (Dasan Tower, Sampyeong-dong) 3F, 49, Daewangpangyo-ro 644beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea 13493, believe I am the original sole inventor of certain inventions or improvements claimed and/or disclosed in an application for Letters Patent which I have made, entitled **FINGERPRINT SENSING METHOD BASED ON TOUCH PRESSURE IN BLACK SCREEN MODE OF TOUCH INPUT DEVICE AND TOUCH INPUT DEVICE FOR THE SAME**, filed concurrently herewith (hereinafter the "Application"); and

WHEREAS, the Application was made or authorized to be made by me.

WHEREAS, I hereby acknowledge that any willful false statement made in this Assignment & Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, HiDeep Inc. (hereinafter the "Assignee"), of (Dasan Tower, Sampyeong-dong) 3F, 49, Daewangpangyo-ro 644beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea 13493, is desirous of acquiring the entire right, title and interest in and to the Application, all inventions or improvements disclosed and/or claimed in the Application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries, including the right to file, prosecute and otherwise pursue the Application and any and all U.S. and foreign applications directed to the inventions or improvements disclosed and/or claimed therein, in the name of Assignee as Applicant.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, said Assignor, do hereby sell, assign, transfer and set over to Assignee, the entire right, title and interest in and to (1) the Application, (2) all inventions, improvements, and ideas disclosed and/or claimed in the Application, (3) any and all continuations, continuation-in-parts, divisionals, and/or non-provisionals of the Application and/or directed to the inventions, improvements, and ideas disclosed and/or claimed in the Application, (4) any and all patent applications claiming priority directly or indirectly to the Application, (5) and all renewals of and substitutes for the Application, and (6) to all Letters Patent which may be granted on or as a result of the foregoing in the United States and any and all other countries, and (6) any reissue or reissues or extension or extensions of said Letters Patent or the Application, and assign to and authorize said Assignee, to file prosecute and otherwise pursue, in the name of Assignee as applicant, all of the aforementioned applications for Letters Patent in all countries, the same to be held and enjoyed by Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent, respectively, may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to the Application, said inventions or improvements disclosed or claimed in the Application, all

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applications claiming priority directly or indirectly thereto, and said Letters Patent to said Assignee, its successors, assigns, nominees, or legal representatives, and I agree to communicate to said Assignee or to its nominees all known facts respecting said inventions or improvements, the Application, all applications claiming priority directly or indirectly thereto, and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all such actions to be at the sole expense of Assignee.

AND, I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for the Application and all said inventions or improvements disclosed and/or claimed therein, and all applications claiming priority directly or indirectly thereto, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the aforesaid, in accordance with the terms of this Assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

JAN 3, 2019  
Date

  
Woohyun BACH  
Inventor