

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5923221

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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>        |
| CHANG HUN HAN                                                                                                                                                                                   | 01/21/2020                   |
| JONG MAN KIM                                                                                                                                                                                    | 01/21/2020                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name:</b>                                                                                                                                                                                    | DB HITEK CO., LTD.           |
| <b>Street Address:</b>                                                                                                                                                                          | 432, TEHERAN-RO, GANGNAM-GU  |
| <b>City:</b>                                                                                                                                                                                    | SEOUL                        |
| <b>State/Country:</b>                                                                                                                                                                           | KOREA, REPUBLIC OF           |
| <b>Postal Code:</b>                                                                                                                                                                             | 06194                        |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                |
| <b>Application Number:</b>                                                                                                                                                                      | 16748347                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                              |
| <b>Fax Number:</b>                                                                                                                                                                              | (612)349-9266                |
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| <b>Phone:</b>                                                                                                                                                                                   | 6123495776                   |
| <b>Email:</b>                                                                                                                                                                                   | hill@ptslaw.com              |
| <b>Correspondent Name:</b>                                                                                                                                                                      | DANIEL L. BRUZZONE           |
| <b>Address Line 1:</b>                                                                                                                                                                          | 80 SOUTH 8TH STREET          |
| <b>Address Line 2:</b>                                                                                                                                                                          | 4800 IDS CENTER              |
| <b>Address Line 4:</b>                                                                                                                                                                          | MINNEAPOLIS, MINNESOTA 55402 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 4785.86US01                  |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | DANIEL L. BRUZZONE           |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Daniel L. Bruzzone/         |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 01/22/2020                   |
| <b>Total Attachments: 3</b>                                                                                                                                                                     |                              |
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| source=2020_01_21_ASSN_478586US01#page2.tif                                                                                                                                                     |                              |
| source=2020_01_21_ASSN_478586US01#page3.tif                                                                                                                                                     |                              |

Attorney Docket No. 4785.86US01  
Client Reference No. DH19-005US

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, as the undersigned named inventor(s), have sold, assigned and transferred, and/or by these presents do hereby sell, assign and transfer my/our entire right, title and interest for all countries in and to all inventions disclosed in the application entitled

**BACKSIDE ILLUMINATED IMAGE SENSOR AND METHOD OF MANUFACTURING THE SAME**

of

Application No.: Not Yet Assigned      Filing Date: Herewith

by

Chang Hun HAN and Jong Man KIM

unto the following Assignee:

DB HITEK CO., LTD.

with a principal place of business at

432, Teheran-ro, Gangnam-gu Seoul, 06194 Republic of Korea

For purposes of this assignment, Assignee shall include successors and assigns.

Such assignment in and to the application shall include any utility applications, design applications, divisional applications, continuation applications, continuation-in-part applications or any other applications entitled to claim priority thereto, all Letters Patent which may be granted therefrom, and all reissues, reexaminations, reviews, oppositions, certificates and/or extensions of such Letters Patent, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions including an assignment of all rights under the provisions of the Paris Convention for the Protection of Industrial Property and further including the right to sue, counterclaim and recover for past, present and future infringement of the rights assigned or to be assigned, as fully and entirely as the same would have been held by the undersigned if this assignment had not been made, and I/we do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to Assignee.

I/We further authorize Assignee, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in the U.S. and any and all foreign countries, and additionally to claim priority to the filing date of the applications and otherwise take advantage of the provisions of the Paris Convention, and request the issuance of any and all Letters Patent for the inventions to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee.

I/We do hereby covenant and agree with Assignee, that I/we will not execute in writing or do any act whatsoever conflicting with these presents, and that I/we or my/our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of Assignee, make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to Assignee and its representatives all facts known to us relating to the inventions and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in Assignee, the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

I/We covenant and agree with Assignee that no assignment, grant, mortgage, license, option or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

I/We hereby authorize Assignee, or anyone it may properly designate, to insert the filing date, application number, title and any other indicia identifying the application herein when ascertained.

Delivery of this Assignment by copy, however transmitted, constitutes valid and effective delivery. This Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

ASSIGNMENT  
(EXECUTION PAGE)

Parent Application Title:  
BACKSIDE ILLUMINATED IMAGE SENSOR AND METHOD OF MANUFACTURING THE SAME

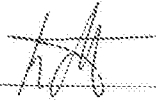
Country (or "PCT"):  
Application No.:  
Filing Date:

U.S.  
Not Yet Assigned  
Herewith

***Inventor/Assignor:***

Legal Name of Inventor: Chang Hun HAN

Inventor Signature:



Date:

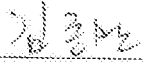
21<sup>th</sup> - Jan. 2020

Inventor Address (city, country): Hyanggyo-ro, Icheon-si, Gyeonggi-do, Republic of Korea

Inventor Citizenship: Republic of Korea

Attorney Docket No. 4785.86US01  
Client Reference No. DH19-005US

ASSIGNMENT  
(EXECUTION PAGE)

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|------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Patent Application Title:                                              |                                                                                   |
| BACKSIDE ILLUMINATED IMAGE SENSOR AND METHOD OF MANUFACTURING THE SAME |                                                                                   |
| Country (or "PCT"):                                                    | U.S.                                                                              |
| Application No.:                                                       | Not Yet Assigned                                                                  |
| Filing Date:                                                           | Herewith                                                                          |
| <i>Inventor/Assignor:</i>                                              |                                                                                   |
| Legal Name of Inventor:                                                | Jong Man KIM                                                                      |
| Inventor Signature:                                                    |  |
| Date:                                                                  | 21th - Jan - 2020                                                                 |
| Inventor Address (city, country):                                      | Dongpangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do,<br>Republic of Korea         |
| Inventor Citizenship:                                                  | Republic of Korea                                                                 |