504833890 03/23/2018

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| OPTIS CO., LTD. | 03/22/2018 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 8866919 |

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| DATE SIGNED: | 03/23/2018 | |

Total Attachments: 1

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PATENT REEL: 045324 FRAME: 0554

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Assignment

Whereas, OPTIS CO., LTD., of A-1007, DIGITAL EMPIRE BUILDING, 980-3, YEONGTONG-DONG, YEONGTONG-GU, SUWON-CITY, KYUNGGI-DO, REPUBLIC OF KOREA, hereinafter referred to as "Assignor", is the co-owner of the entire right, title and interest in United States Patent No. 8,866,919, hereinafter referred to as "919 patent."

Whereas, HANWHA TECHWIN CO., LTD., of 1204, CHANGWON-DAERO, SEONGSAN-GU, CHANGWON-SI, GYEONGSANGNAM-DO, REPUBLIC OF KOREA, hereinafter referred to as "Assignee", desires to acquire the entire ownership right, title, and interest of the Assignor in said United States Patent, so the Assignee becomes the owner of the entire right, title and interest of said United States Patent.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged.

I/We, the above named Assignor, hereby sell, assign and transfer to the above named Assignee, its successors and assigns, the entire right, title and interest in the '919 patent and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the '919 patent to the Assignee, its successors and assigns; and I/we hereby agree that the Assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the Assignee in connection with the United States and foreign applications when called upon to do so by the Assignee.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

The undersigned (whose title is supplied below) is authorized to act on behalf of the application (e.g., where the applicant is a juristic entity).

| | | ornsec, in |
|-------|----------------|---------------------|
| Date: | March 22, 2018 | Ву: |
| | | Name: JU Hyung Lee |
| | | Title: <u>C É O</u> |

PATENT REEL: 045324 FRAME: 0555

RECORDED: 03/23/2018