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PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| TAE WAN KIM | 06/26/2019 |
| YONG EUN SEO | 06/24/2019 |
| JEONG HUN SEO | 06/26/2019 |
| MYOUNG JUN KIM | 06/24/2019 |
| JONG GON LEE | 06/24/2019 |
| TAE GUN LEE | 06/24/2019 |

RECEIVING PARTY DATA

| Name: | HANON SYSTEMS |
|-----------------|----------------------------|
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| City: | DAEJEON |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 34325 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16437836 |

CORRESPONDENCE DATA

Fax Number: (212)318-3400

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.

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Email: natalia.platonova@nortonrosefulbright.com NORTON ROSE FULBRIGHT US LLP **Correspondent Name:** 1301 AVENUE OF THE AMERICAS Address Line 1:

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|-------------------------|---------------------|--|
| NAME OF SUBMITTER: | JAMES R. CRAWFORD | |
| SIGNATURE: | /James R. Crawford/ | |
| DATE SIGNED: | 07/01/2019 | |

PATENT REEL: 049638 FRAME: 0108 505551891

Total Attachments: 1

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PATENT REEL: 049638 FRAME: 0109

Assignment

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto Hanon Systems, 95, Sinilseo-ro, Daedeok-gu, Daejeon, REPUBLIC OF KOREA 34325 (hereinafter ASSIGNEE) all right, title and interest in and to his invention relating to

AIR CONDITIONER FOR VEHICLE

| as set forth in l | his United States Patent Application | | |
|-------------------|--------------------------------------|-------|---------------|
| | executed concurrently herewith | | |
| | executed on | | |
| x | Serial No. filed16/437,836 | filed | June 11, 2019 |

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all divisions, continuations, additions, extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions, continuations, reissues, extensions, additions and renewals thereof and to any and all Letters Patent which may be granted therefor or thereon, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent for said invention;

Each of the undersigned hereby grants to all practitioners at 24972 the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Names and Signatures of Inventors:

| mt. | 2019.06.26 | | 2019,06,24 |
|---------------|------------|--|------------|
| Tae Wan KIM | Date 126 | Yong Eun SEO | Date |
| AME. | | mer de la companya de | 2019.06.24 |
| Jeong Hun SEO | Date | Myoung Jun KIM | Date |
| Mar | 2014.06.24 | 1/22 | 2019,66.44 |
| Jong Gon LEE | Date | Tae Gun LEE | Date |

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