PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7192633

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------|----------------|
| GENE CHONG | 02/24/2022 |

RECEIVING PARTY DATA

| Name: | DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO. LTD. |
|-----------------|---|
| Street Address: | 22 DOOSANVOLVO-RO, SEONGSAN-GU, CHANGWON-SI |
| City: | GYEONGSANGNAM-DO |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 51711 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17378893 |

CORRESPONDENCE DATA

Fax Number: (816)421-5547

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.

Phone: 8164746550

Email:rbroz@shb.com, IPDocket@shb.comCorrespondent Name:SHOOK, HARDY & BACON L.L.P.

Address Line 1: 2555 GRAND BLVD.

Address Line 4: KANSAS CITY, MISSOURI 64108

| ATTORNEY DOCKET NUMBER: | 41837.348571 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | BRYAN E. MEYER |
| SIGNATURE: | /Bryan E. Meyer/ |
| DATE SIGNED: | 02/24/2022 |

Total Attachments: 4

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PATENT 507145789 REEL: 059089 FRAME: 0142

Attorney Docket No. 20FDHI050US01/348571

ASSIGNMENT AGREEMENT

THIS ASSIGNMENT AGREEMENT is made by Gene Chong, Andres Jaramillo,

and Kibaek Kim (collectively "ASSIGNORS") for the benefit of Doosan Heavy Industries &

Construction Co., Ltd., a corporation organized under the laws of the Republic of Korea and having

its principal place of business at 22 Doosanvolvo-ro, Seongsan-gu, Changwon-si,

Gyeongsangnam-do, 51711, Republic of Korea ("ASSIGNEE").

WHEREAS, Gene Chong, Andres Jaramillo, and Kibaek Kim have invented

certain new and useful improvements in an invention, the title of which is:

AIRFOIL WITH DIRECTIONAL DIFFUSION REGION

(the "INVENTION") for which application for Letters Patent of the United States has been made

or is about to be made. ASSIGNORS hereby authorize legal representatives of Shook, Hardy &

Bacon L.L.P. to insert here in parentheses the Application No. (17/378,893), and Filing Date (July

19, 2021) of the application for Letters Patent of the United States concerning the INVENTION,

when known.

WHEREAS ASSIGNEE desires to acquire an interest in, to, and under the

INVENTION, said application, and any and all Letters Patent which may be granted for or upon

the INVENTION in the United States of America and all countries foreign thereto.

WHEREAS, at the time of the INVENTION, Gene Chong, Andres Jaramillo, and

Kibaek Kim were employees of ASSIGNEE, or one of its subsidiaries, and were and are subject

to an obligation to assign their interest in the INVENTION to ASSIGNEE.

NOW, THEREFORE, in consideration of the covenants, terms, and conditions set

forth herein, and for other good and valuable consideration, including consideration previously

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PATENT

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transferred, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNORS

hereto agree as follows:

1. Assignment of Patent Rights Throughout the World

ASSIGNORS hereby have sold, assigned, and transferred, and by these presents do

sell, assign, and transfer, unto said ASSIGNEE the full and exclusive right, title, and interest,

throughout the world, in, to, and under said invention as fully set forth and described in the above-

identified application; in, to, and under said application; in, to, and under any and all refilings,

divisions, and continuations of said application; in, to, and under any and all Letters Patent of the

United States of America which may issue from said application, refilings, divisions, and

continuations; in, to, and under any and all reissues of said Letters Patent of the United States of

America; in, to, and under any and all applications for Letters Patent upon said invention which

may hereafter be filed in any and all countries foreign to the United States of America, including

rights of priority under the International Convention of Paris (1883) as amended; in, to, and under

any and all refilings, divisions, and continuations of said foreign-filed applications; in, to, and

under any and all Letters Patent of countries foreign to the United States of America which may

issue from the said foreign-filed applications, refilings, divisions, and continuations; and in, to,

and under any and all extensions of, and additions to, said Letters Patent of countries foreign to

the United States of America, the same to be held and enjoyed by said ASSIGNEE for its own use

and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for

which said Letters Patent may be granted, and ASSIGNORS do hereby authorize and request the

Commissioner of Patents to issue the said Letters Patent in accordance with this assignment.

2. Counterparts

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This Assignment Agreement may be executed in counterparts, each of which will

be deemed an original, but all of which together will be deemed to be one and the same agreement.

A signed copy of this Assignment Agreement delivered by facsimile, e-mail, or other means of

electronic transmission (to which a signed PDF copy is attached) will be deemed to have the same

legal effect as delivery of an original signed copy of Assignment Agreement.

[Remainder of Page Intentionally Left Blank]

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IN WITNESS WHEREOF, the ASSIGNORS hereto have caused this Assignment Agreement to be executed as of the date written by each of their signatures below.

| EXECUTED this 24 | _day of February _{, 2022.} |
|------------------|-------------------------------------|
| | Gene Chong (Feb 24, 2022 02:38 EST) |
| | Gene Chong |
| | |
| EXECUTED this | _ day of, 20 |
| | |
| | Andres Jaramillo |
| | |
| EXECUTED this | _ day of, 20 |
| | |
| | Kihaek Kim |

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