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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
YONGHUN RO	12/01/2020
KI-HO CHANG	12/01/2020
JOO-WAN CHA	12/01/2020
SANGHEE CHAE	12/01/2020
WOONSEON JUNG	12/01/2020
CHULKYU LEE	12/01/2020

RECEIVING PARTY DATA

Name:	NATIONAL INSTITUTE OF METEOROLOGICAL SCIENCES
Street Address:	1ST FLOOR, 33, SEOHOBUK-RO, SEOGWIPO-SI
City:	JEJU-DO, 63568
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17124733

CORRESPONDENCE DATA

Fax Number: (703)299-0036

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: 703-299-0953

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Correspondent Name: HAROLD BROWN

Address Line 1:801 N. PITT SREET , SUITE 123Address Line 4:ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 000030-011

NAME OF SUBMITTER: HAROLD R. BROWN III

SIGNATURE: /HAROLD R. BROWN III/

DATE SIGNED: 12/17/2020

Total Attachments: 3

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PATENT REEL: 054679 FRAME: 0304 source=000030011ASS#page2.tif source=000030011ASS#page3.tif

> PATENT REEL: 054679 FRAME: 0305

Application No.		
Attorney's	Docket No.	000030-011

ASSIGNMENT

(JOINT)

This Assignment, by

- a. Yonghun RO, #150-303, 15, Jungmunsang-ro 82beon-gil, Seogwipo-si, Jeju-do, 63545, Republic of Korea
- b. Ki-Ho CHANG, #B-303, 57, Banpo-daero 24-gil, Seocho-gu, Seoul, 06649, Republic of Korea
- c. Sanghee CHAE, #102-205, 77, World cup-ro, Seogwipo-si, Jeju-do, 63572, Republic of Korea
- d. Joo-Wan CHA, #105-902, 55, Sinseo-ro, Seogwipo-si, Jeju-do, 63559, Republic of Korea
- e. Woonseon JUNG, #107-903, 55, Sinseo-ro, Seogwipo-si, Jeju-do, Republic of Korea
- f. Chulkyu LEE, #204-1109, 86, Dongil-ro 231-gil, Nowon-gu, Seoul, 01614, Republic of Korea

(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in

CALCULATION METHOD OF TOTAL ARTIFICIAL PRECIPITATION IN SEEDING AREA COMPARED TO NON-SEEDING AREA

set forth in an	n application for Letters Patent of the Unite rovisional application	d States, which is a
a.	bearing Application No	and filed on
(2) <u>X</u> 1	to be filed herewith; or non-provisional application	
a.	bearing Application No	and filed on
	X having an oath or declaration execute filing of application;	-
c.	having an oath or declaration execute Assignment; and	d on a different date than this

WHEREAS, National Institute of Meteorological Sciences, an entity having a principal place of business at 1st Floor, 33, Seohobuk-ro, Seogwipo-si, Jeju-do, 63568, Republic of Korea (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

Page 1 of 3

Application No	
Attorney's Docket No. 000030-01	1

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the abovementioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of WRB-IP L.L.P. to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

Page 2 of 3

Application No. _______Attorney's Docket No. 000030-011

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE Dec. 1 2020	Ryh.
DATE Dec. 1. 2000	Yonghun RO Rolling
	Ki-Ho CHANG
DATE_ Vec. . 2020	Sanghee CHAE
DATE Dec. 1 2020	Joo-Wan CHA
DATE Dec. 1. 2020	Woonseon JUNG
DATE Dec. 15t soop	Chulkyu LEE

Page 3 of 3

RECORDED: 12/17/2020