503549682 11/02/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3596309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIN WON KIM	10/20/2015
YOUNG SOO SEOK	10/20/2015
KYUNG SOB LEE	10/20/2015
SE WAN LEE	10/20/2015
DONG HYUN KIM	10/20/2015
KYUNG SEOK OH	10/20/2015
YONG GUN LEE	10/20/2015
JUNG HUN OH	10/20/2015
GWANG HO JIN	10/20/2015
JA YONG KOO	10/20/2015
IN HWAN HYUN	10/20/2015

RECEIVING PARTY DATA

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State/Country:	KOREA, REPUBLIC OF
Postal Code:	463-828

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14929370

CORRESPONDENCE DATA

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PATENT 503549682 REEL: 036934 FRAME: 0012

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DATE SIGNED:	11/02/2015
Total Attachments: 3	
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PATENT REEL: 036934 FRAME: 0013

ASSIGNMENT

WHEREAS, Jin Won KIM, a citizen of Republic of Korea, whose post office address is 108-102, 377, Prugio Haogae-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 463-440 Republic of Korea, Young Soo SEOK, a citizen of Republic of Korea, whose post office address is 103-1013, 50, Hanshin Apt. Daecheong-ro, Hanam-si, Gyeonggi-do 465-707 Republic of Korca, Kyung Sob LEE, a citizen of Republic of Korea, whose post office address is 102-1201, 230-40, Haitai Apt. Deokso-ro, Wabu-eup, Namyangju-si, Gyeonggi-do 472-736 Republic of Korea, Se Wan LEE, a citizen of Republic of Korea, whose post office address is 102-1303, 298, Suji2ChaDongbo Apt. Poeun-daero, Suji-gu, Yongin-si, Gyeonggi-do 448-130 Republic of Korea, Dong Hyun KIM, a citizen of Republic of Korea, whose post office address is 109-1404, 18, Hyundai Apt. 342beon-gil, Suji-ro, Suji-gu, Yongin-si, Gyeonggi-do 448-783 Republic of Korea, Kyung Seok OH, a citizen of Republic of Korea, whose post office address is 17-10, 47beon-gil, Hwayang-ro, Paldal-gu, Suwon-si. Gyeonggi-do 442-867 Republic of Korea, Yong Gun LEE, a citizen of Republic of Korea, whose post office address is 104-1103, Hanseong Apt. 55beon-gil, Munjeong-ro, Suji-gu, <u>Yongin-si, Gyeonggi-do 448-768 Republic of Korea, Jung Hun OH,</u> a citizen of Republic of Korea, whose post office address is 102-1106, 234-5, Hanbo Apt. Manggyeong-ro, Jinju-si, Gyeongsangnam-do 660-762 Republic of Korea, Gwang Ho JIN, a citizen of Republic of Korea, whose post office address is 501, 151, O Reum House Jungnangnyeok-ro, Jungnang-gu, Seoul 131-853 Republic of Korea, Ja Yong KOO, a citizen of Republic of Korea, whose post office address is 108-501, 34, Woosung Apt. 22gil, Nowon-ro, Nowon-gu, Seoul 139-918 Republic of Korea, and In Hwan HYUN, a citizen of Republic of Korea, whose post office address is 75-303. Hyundai Apt. Apgujeongro 29gil, 68, Gangnam-gu, Seoul 135-788 Republic of Korea, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

METHOD OF TRACING POSITION OF PIPELINE USING MAPPING PROBE

for which they have executed an application for Letters Patent for the United States in the United States Patent and Trademark Office even date herewith.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request Taeksoo Lee, Reg. No. 61,976 of the LRK Patent Law Firm, whose address is 1952 Gallows Rd., Suite 200, Vienna, Virginia 22182, to insert here in parenthesis (Application No. _______, filed _______) the filing date and application number of said application when known.

AND WHEREAS, <u>WATER RESOURCES FACILTIES & MAINTENACE CO., LTD.</u>, a corporation organized and existing under the laws of <u>Republic of Korea</u>, whose post-office address is <u>2F Han Seung Benepia</u>, <u>37. Seongnam-daero 925beon-gil</u>, <u>Bundang-gu</u>, <u>Seongnam-si</u>, <u>Gyeonggi-do 463-828 Republic of Korea</u>, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters

PATENT REEL: 036934 FRAME: 0014 Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

PATENT REEL: 036934 FRAME: 0015

38 th Octobrilt	卫君有	Act most
Dong Hyun KIM Date	Kyung Seok OH	Date
Of A H Oct. 20.2015 Yong Gun LEE Date	りるを Jung Hun OH	Oct 20,2215 Date
Gwang Ho JIN Date	子 スト O Ja Yong KOO	3 Oct. 20,2015 Date
In Hwan HYUN Date		Oct. 20, 2015

Witnessed by:

3/2014 Oct. 20, 20/1

PATENT REEL: 036934 FRAME: 0016

RECORDED: 11/02/2015