504618395 10/30/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| NAM WOO LEE | 09/15/2017 |
| HYUCK ROUL KWON | 09/15/2017 |
| SUNG WOOK NA | 09/15/2017 |

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| Street Address: | 12, HEOLLEUNG-RO, SEOCHO-GU |
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| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 06797 |
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| Street Address: | 12, HEOLLEUNG-RO, SEOCHO-GU |
| City: | SEOUL |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 06797 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15798027 | |

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NAME OF SUBMITTER: HOSANG LEE

PATENT 504618395 REEL: 043985 FRAME: 0319

| SIGNATURE: | /Hosang Lee/ | |
|--------------------------------|--------------|--|
| DATE SIGNED: | 10/30/2017 | |
| Total Attachments: 2 | | |
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| source=0923420361ass#page2.tif | | |

PATENT REEL: 043985 FRAME: 0320 Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

| (1) | LEE, Nam Woo | (5) | |
|-----|------------------|-----|--|
| (2) | KWON, Hyuck Roul | (6) | |
| (3) | NA, Sung Wook | (7) | |
| (4) | | (8) | ************************************** |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Hyundai Motor Company, a company organized under and pursuant to the laws of Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea

Kia Motors Corporation, a company organized under and pursuant to the laws of Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

HEAT EXCHANGE DEVICE FOR COOLING WATER OF FUEL CELL AND FUEL CELL SYSTEM COMPRISING THE SAME

- (a) for which an application for United States Letters Patent was filed on and identified by United States Application No.; or
- (b) for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors,

5914008 / 10.80.24.58 / 2017-09-15 (1.20 (VTC+9) / 본 전시는 현대기이자등지역 대외반 종급 이상의 참보자라이므로 무단 전체 및 복제할 수 없으며, 위반 시 당시 사구 및 관련 법규야 위한 제체할 수 없습니다.



assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

| | INVENTORS | DATE SIGNED |
|----|--|---------------|
| 1) | Name: LEE, Nam Woo | 15. SEP. 2017 |
| 2) | KWON, HYUCK ROUL Name: KWON, Hyuck Roul | 15. SZP, 2019 |
| 3) | Name: NA, Sung Wook | 15. SEP. 2019 |
| 4) | Name: | |
| 5) | Name: | |
| 6) | Name: | |
| 7) | Name: | |
| 8) | Name: | |

5014508 / 10.80,24.56 / 2017-05-15 (1:20 (UTC+9) / 본 문서는 현대기하지문자로 대외해 중단 아선의 경영자산이으로 무단 전자 및 복제할 수 있으며, 유번 시 당시 자꾸 및 관련 단구에 의해 제계될 수 있으나다.



PATENT REEL: 043985 FRAME: 0322