

01-15-2004



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PATENTS ONLY

Attorney Docket Number 11037-178-999

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Sang Hyun Moon and Kwang Hee Nam

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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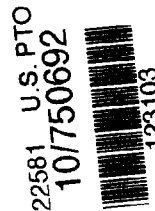
Security Agreement

Change of Name

Other

Execution Date: December 22, 2003

2. Name and address of receiving party(ies):

Name: Hyundai Motor CompanyAddress: 231 Yangjae-Dong  
Seocho-Ku  
SeoulName: Postech FoundationAddress: San 31, Hyoja-dong  
Nam-ku, Pohang-city  
Kyungsangbuk-do, KoreaCountry (if other than USA): Republic of Korea

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 22, 2003A. Patent Application No.(s)         B. Patent No.(s)         Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP  
3300 Hillview Avenue  
Palo Alto, California 94304

6. Number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00  
Please charge to the deposit account listed in Section 8.8. Deposit account number:  
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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Thomas D. Kohler

32,797

Name of Person Signing

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Signature

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Date

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# ASSIGNMENT

WHEREAS, I, ASSIGNOR, having citizenship, and residence as set forth below, am the inventor, or the joint inventor if plural names are set forth below, of the invention in *(title of invention)*

Vector-controlled dual inverter system and method for induction motor

for which I have executed an application for a Patent of the United States,

which is identified by Pennie & Edmonds LLP docket no. 11037-178-999

and WHEREAS, HYUNDAI MOTOR COMPANY; POSTECH Foundation, whose post office address are 231, Yangjae-dong, Seocho-ku, Seoul, Korea; San 31, Hyoja-dong, Nam-ku, Pohang-city, Kyungsangbuk-do, Korea, ASSIGNEES are desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

FULL NAME OF INVENTOR	LAST NAME MOON	FIRST NAME SANG HYUN	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY Hwaseong-city	STATE OR FOREIGN COUNTRY Korea	COUNTRY OF CITIZENSHIP Korea

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of December, 2003.

*Sanghyun Moon*

SIGNATURE

Witness: Hye-Jin Kim

Witness: Mi-Young Park

FULL NAME OF INVENTOR	LAST NAME NAM	FIRST NAME KWANG HEE	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY Pohang-city	STATE OR FOREIGN COUNTRY Korea	COUNTRY OF CITIZENSHIP KR

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of December, 2003.

*Kwanghee Nam*

SIGNATURE

Witness: Yun-Hee Choi *Yun-Hee Choi*

Witness: Myo-Shin Kim *Myo-Shin Kim*

FULL NAME OF INVENTOR	LAST NAME KIM	FIRST NAME JUN HA	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY Anyang-city	STATE OR FOREIGN COUNTRY Korea	COUNTRY OF CITIZENSHIP KR

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of December, 2003.

*Junha Kim*

SIGNATURE

Witness: Yun-Ha Park *Park Yun Ha*

Witness: Kyung-A Lee *Kyung-A Lee*