

07-18-2003

To the Honorable Director of Patents and Trademar

copy thereof.

1. Name of Conveying parties:
WON, June Hee
OH, Jae Yoon
LEE, Kyung Hoon
CHEONG, Dal Ho

7-9-03

102501152

Name: LG Electronics Inc.

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

Internal Address:

Street Address: 20 Yeoeuide-dong, Yongdeungpo-ku
Seoul, 150-010, REPUBLIC OF KOREA

Additional name(s) and address(es) attached? Yes No

3. Nature of conveyance:

X Assignment Merger
Security Agreement Change of Name
Other

Execution Date: July 1, 2003

21712 U.S. PTO
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07/09/03

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: July 1, 2003

A. Patent Application No.(s)

10614813

B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: Bruce H. Bernstein

Internal Address: P23470

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$ 40.00

X Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

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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.

Bruce H. Bernstein, Reg. No., 29,027

Name of Person Signing

Leslie Paperner Reg. No. 33,329
Signature

7/9/03
Date

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark office, Mail Stop Assignments
PO Box 1450 Alexandria, Virginia 22313-1450

07/10/2003 KZEWDIE 00000055 10614813

FC:8021

40.00 00

ASSIGNMENT

WHEREAS, June Hee WON, a citizen of Republic of Korea, whose post office address is #1009-105 Taegang Apt. 81 Kongrung-dong, Nowon-ku, Seoul-si 139-240 Republic of Korea
Jae Yoon OH, a citizen of Republic of Korea, whose post office address is #229-302 Jukong Apt. 769 Haan-dong, Kwangmyung-si 423-060 Kyungki-do, Republic of Korea,
Kyung Hoon LEE, a citizen of Republic of Korea, #364-91 Sindaebang-dong, Dongjak-ku, Seoul-si 151-010 Republic of Korea, Dal Ho CHEONG, a citizen of Republic of Korea, #104-408 Hyundai Apt. 357 Dohwa-dong, Mapo-ku, Seoul-si 121-040 Republic of Korea, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

APPARATUS FOR MEASURING MAGNETIC FLUX OF SYNCHRONOUS RELUCTANCE MOTOR AND SENSORLESS CONTROL SYSTEM FOR THE SAME MOTOR

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application, including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, and James L. Rowland, Reg. No. 32,674, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, **LG Electronics Inc.**, a corporation organized and existing under the laws of Republic of Korea, whose post-office address is 20 Yeoeuide-dong, Yongdeungpo-ku, Seoul, 150-010, Republic of Korea, 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 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 date(s) indicated below.

Witnessed by:

Ja Young SO 7.1.2003
Name Ja Young SO Date

June Hee WON July 1, 2003
Name June Hee WON Date

Hee Jung LEE 7.1.2003
Name Hee Jung LEE Date

Witnessed by:

Ja Young SO 7.1.2003
Name Ja Young SO Date

Jae Yoon OH 7.1.2003
Name Jae Yoon OH Date

Hee Jung LEE 7.1.2003
Name Hee Jung LEE Date

Witnessed by:

Young 7.1.2003
Name Ja Young SO Date

[Signature] 7.1.2003
Kyung Hoon LEE Date

[Signature] 7.1.2003
Name Hee Jung LEE Date

Witnessed by:

Young 7.1.2003
Name Ja Young SO Date

Cheong July 1, 2003
Dal Ho CHEONG Date

[Signature] 7.1.2003
Name Hee Jung LEE Date

Witnessed by:

Name Date

Date

Name Date

Witnessed by:

Name Date

Date

Name Date