

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																																												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																																												
<b>CONVEYING PARTY DATA</b>																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Man Tae HWANG</td><td>02/23/2009</td></tr> <tr><td>Hae Seock YANG</td><td>02/23/2009</td></tr> <tr><td>Hoi Kil JEONG</td><td>02/23/2009</td></tr> <tr><td>Myung Sig YOO</td><td>02/23/2009</td></tr> <tr><td>Jae Kyum KIM</td><td>04/02/2009</td></tr> <tr><td>Moo Hyun KO</td><td>02/23/2009</td></tr> <tr><td>Kie Tak HYUN</td><td>02/23/2009</td></tr> <tr><td>Jong Su CHOO</td><td>02/23/2009</td></tr> <tr><td>Young Bok SON</td><td>02/23/2009</td></tr> <tr><td>Kyeong Seon JEONG</td><td>02/23/2009</td></tr> <tr><td>Min PARK</td><td>02/26/2009</td></tr> <tr><td>Sung Hwa LEE</td><td>02/26/2009</td></tr> <tr><td>Il Joong KIM</td><td>02/25/2009</td></tr> <tr><td>Jin Hyouk SHIN</td><td>02/23/2009</td></tr> <tr><td>Gun HO HA</td><td>02/23/2009</td></tr> <tr><td>Jin Wook SEO</td><td>02/23/2009</td></tr> <tr><td>Chang Ho YUN</td><td>02/23/2009</td></tr> <tr><td>JinYoung KIM</td><td>02/23/2009</td></tr> <tr><td>Chang Hoon LEE</td><td>02/23/2009</td></tr> <tr><td>Yun Hee PARK</td><td>02/23/2009</td></tr> <tr><td>Hyuk-Min KWON</td><td>03/02/2009</td></tr> </tbody> </table>		Name	Execution Date	Man Tae HWANG	02/23/2009	Hae Seock YANG	02/23/2009	Hoi Kil JEONG	02/23/2009	Myung Sig YOO	02/23/2009	Jae Kyum KIM	04/02/2009	Moo Hyun KO	02/23/2009	Kie Tak HYUN	02/23/2009	Jong Su CHOO	02/23/2009	Young Bok SON	02/23/2009	Kyeong Seon JEONG	02/23/2009	Min PARK	02/26/2009	Sung Hwa LEE	02/26/2009	Il Joong KIM	02/25/2009	Jin Hyouk SHIN	02/23/2009	Gun HO HA	02/23/2009	Jin Wook SEO	02/23/2009	Chang Ho YUN	02/23/2009	JinYoung KIM	02/23/2009	Chang Hoon LEE	02/23/2009	Yun Hee PARK	02/23/2009	Hyuk-Min KWON	03/02/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>LG Electronics Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>20, Yoido-dong, Youngdungpo-gu</td> </tr> <tr> <td><b>City:</b></td> <td>Seoul</td> </tr> <tr> <td><b>State/Country:</b></td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>150-721</td> </tr> </table>		<b>Name:</b>	LG Electronics Inc.	<b>Street Address:</b>	20, Yoido-dong, Youngdungpo-gu	<b>City:</b>	Seoul	<b>State/Country:</b>	REPUBLIC OF KOREA	<b>Postal Code:</b>	150-721																																		
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PROPERTY NUMBERS Total: 1 <div style="float: right; text-align: right;"> <b>PATENT</b>  <b>REEL: 026201 FRAME: 0297</b> </div>																																													

**501516028**

OP \$40.00 12408066

Property Type	Number
Application Number:	12408066

# CORRESPONDENCE DATA

Fax Number: (703)766-3644  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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Correspondent Name: KED & ASSOCIATES LLP  
Address Line 1: P.O. Box 8638  
Address Line 4: Reston, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	HI-0313.10
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NAME OF SUBMITTER:	Carol L. Druzbeck
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Total Attachments: 7  
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Docket No.: HI-0313.10

### 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) <u>Man Tae HWANG</u>   | 2) <u>Hae Seock YANG</u>     |
| 3) <u>Hoi Kil JEONG</u>   | 4) <u>Myung Sig YOO</u>      |
| 5) <u>Jae Kyum KIM</u>    | 6) <u>Moo Hyun KO</u>        |
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| 19) <u>Chang Hoon LEE</u> | 20) <u>Yun Hec PARK</u>      |
| 21) <u>Hyuk-Min KWON</u>  |                              |

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

LG Electronics Inc.

20, Yoido-dong, Youngdungpo-gu

Seoul, Korea 150-721

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

### VACUUM CLEANER

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial 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 of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, 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;

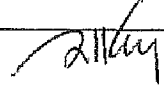
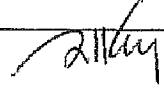
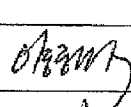
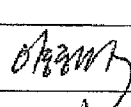
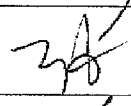
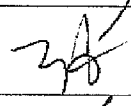
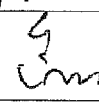
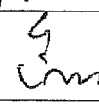
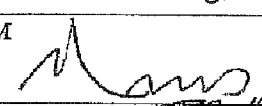
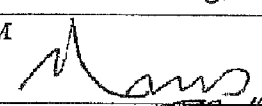
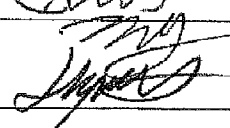
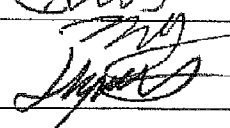
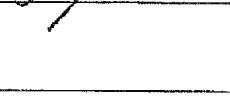
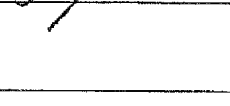
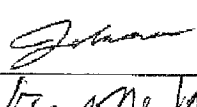
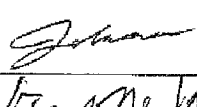
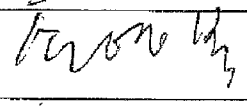
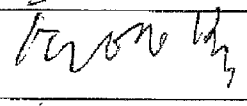
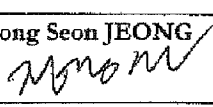
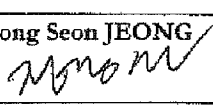
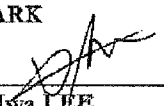
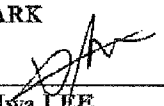
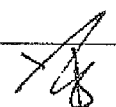
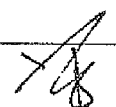




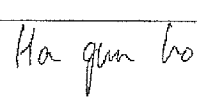
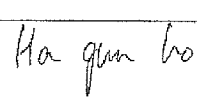
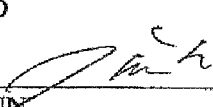
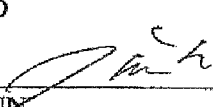
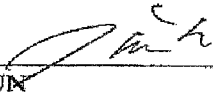
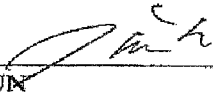


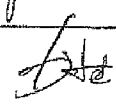
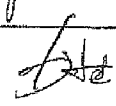
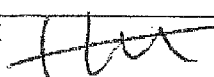
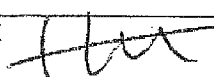
AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, 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, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

## INVENTORS

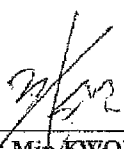
DATE SIGNED

1)	Name: Man Tae HWANG			2009. 2. 23
2)	Name: Hae Seock YANG			2009. 2. 23
3)	Name: Hoi Kil JEONG			2009. 2. 23
4)	Name: Myung Sig YOO			2009. 2. 23
5)	Name: Jae Kyum KIM			2009. 02. 23
6)	Name: Moo Hyun KO			2009. 02. 23
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8)	Name: Jong Su CHOO			2009. 2. 23
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10)	Name: Kyeong Seon JEONG			2009. 2. 13
11)	Name: Min PARK			2009. 2. 26
12)	Name: Sung Hwa LEE			2009. 2. 26
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20)	Name: Yun Hee PARK			2009. 2. 23

PATENT

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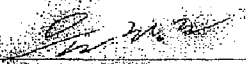
21)

  
Name: Hyuk-Min KWON

2009.3.12

## INVENTORS

## DATE SIGNED

- 1) Name: Man Tae HWANG
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- 3) Name: Hoi Kil JEONG
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- 17)  2009. 2. 25  
Name: Chang Ho YUN
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Docket No. HI-0313.10

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LG Electronics Inc.

20, Yoido-dong, Youngdungpo-gu

Seoul, Korea 150-721

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

### VACUUM CLEANER

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority therein and any and all extensions, divisions, reissues, substitutions, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, 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.

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AND the undersigned hereby grants the firm of KED & ASSOCIATES, L.L.P. the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

## INVENTORS

DATE SIGNED

1) Name: Man Tac HWANG

2) Name: Hae Seock YANG

3) Name: Hoi Kil JEONG

4) Name: Myung Sig YOO

5) Name: Jae Kyum KIM

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17) Name: Chang Ho YUN

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19) Name: Chang Hoon LEE

20) Name: Yun Hee PARK

02 APR 2004



21)

Name: Hyuk-Min KWON