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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents

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original documents or copy thereto:

<p>1. Name of conveying party(ies): Jang-Hwan CHO, Nam-Kyu LEE, Cheul-U KIM, Feel-Soon KANG, Eung-Kwan LEE, Jae-Hwa RYU and Sung-Ho KANG</p> <p>Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>LG Electronics Inc.</u> Internal Address: Street Address: <u>20, Yoido-dong, Youngdungpo-ku</u> City: <u>Seoul</u> State/Country: <u>KOREA</u> ZIP: Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>May 6, 2003</u></p>	

4. Application number(s) or patent number(s):
If the document is being filed together with a new application, the execution date of the application is: May 9, 2003

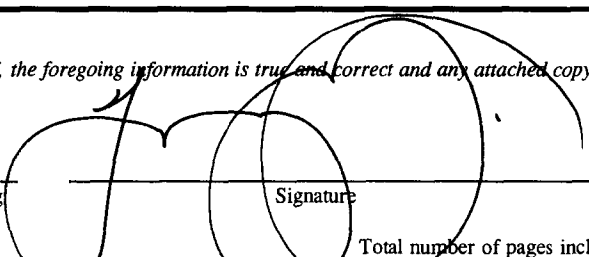
<p>A. Patent Application No(s): Filed: <u>10416286</u></p>	<p>B. Patent No(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>FLESHNER & KIM, LLP</u> Internal Address: Street Address: <u>P. O. Box 221200</u> City: <u>Chantilly</u> State: <u>VA</u> ZIP: <u>20153-1200</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. 3.41)..... <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed (Check No. <u>9415</u>) <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>16-0607</u></p>
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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.

<p><u>Daniel Y.J. Kim, Reg. No. 36,186</u> Name and Registration No. of Person Signing</p>	 Signature Date: <u>May 9, 2003</u>
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Total number of pages including cover sheet: 3

CMB No. 0851-0011 (exp. 4/94)

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) CHO, Jang-Hwan
- (2) LEE, Nam-Kyu
- (3) KIM, Cheul-U
- (4) KANG, Feel-Soon

- (5) LEE, Eung-Kwan
- (6) RYU, Jae-Hwa
- (7) KANG, Sung-Ho
- (8) _____

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

LG ELECTRONICS INC.

20, Yoido-dong, Youngdungpo-ku, Seoul, 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

"ENERGY RECOVERING CIRCUIT WITH BOOSTING VOLTAGE-UP AND ENERGY EFFICIENT METHOD USING THE SAME"

(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.

SIGNED on the dates indicated aside our signatures:
INVENTORS

DATE SIGNED

- 1) Jang Hwan CHO
Name: CHO, Jang-Hwan
- 2) Nam Kyu LEE
Name: LEE, Nam-Kyu
- 3) Cheul U KIM
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5) Eung Kwan LEE

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6) Jae Hwa Ryu

Name: RYU, Jae-Hwa

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7) KANG Sung Ho

Name: KANG, Sung-Ho

May . 6 . 2003