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PATENTS ONLY

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark

DOCKET NO.: HI-0054

JC 203 U.S. TO  
09/988062  
11/16/01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies): Seung-Hoon HWANG  Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>LG Electronics, Inc.</u> Internal Address:  Street Address: <u>20, Yoido-dong, Youngdungpo-gu</u> City: <u>Seoul</u> State/Country: <u>KOREA</u> ZIP: Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No	
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 Execution Date: <u>November 13, 2001</u>			
4. Application number(s) or patent number(s): <u>09/988062</u> If the document is being filed together with a new application, the execution date of the application is: <u>November 13, 2001</u>			
A. Patent Application No(s): Filed:		B. Patent No(s)	
Additional numbers attached? Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>FLESHNER &amp; 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>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. 3.41)..... <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed (Check No. 01504) Authorized to be charged to deposit account 8. Deposit account number: <u>16-0607</u>	
DO NOT USE THIS SPACE			
9. Statement and signature <i>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</i>  <u>Daniel Y.J. Kim, Reg. No. 36,186</u> <u>November 16, 2001</u> Name and Registration No. of Person Signing                      Signature                      Date  Total number of pages including cover sheet: <u>2</u>			
CMB No. 0851-0011 (exp. 4/94)			

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PATENT  
REEL: 012313 FRAME: 0285

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) Seung-Hoon Hwang (4) \_\_\_\_\_
- (2) \_\_\_\_\_ (5) \_\_\_\_\_
- (3) \_\_\_\_\_ (6) \_\_\_\_\_

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

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

METHOD OF LINK ADAPTATION OF BLIND TYPE USING ACKNOWLEDGEMENTS IN ARO SYSTEM

- (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 FLESHNER & KIM, 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 Patents and Trademark Office, for recordation of this documents.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1)   
Name: Seung-Hoon Hwang
- 2) \_\_\_\_\_  
Name: \_\_\_\_\_
- 3) \_\_\_\_\_  
Name: \_\_\_\_\_
- 4) \_\_\_\_\_  
Name: \_\_\_\_\_
- 5) \_\_\_\_\_  
Name: \_\_\_\_\_

November 13, 2001

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