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1.	Name of conveying party(les): Patrick FISCHER	Name and address of receiving party(ies):					
3.	Additional name(s) of conveying party(ies) attached? Yes No Nature of conveyance: Assignment						
	Other Execution Date: March 9, 2008	Additional name(s) & address(es) attached? ☐ Yes ☒ No					
4.	Application number(s) or patent number(s): A. Patent Application No.(s) 12/031,487 B. Patent No.(s) N/A Additional numbers attached? Yes No						
5.	Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: [1]					
	JONATHAN Y. KANG, ESQ. LEE, HONG, DEGERMAN, KANG & SCHMADEKA At the address associated with Customer No. 35884 Phone: (213) 623-2221 Fax: (213) 623-2211	7. Total fee (37 CFR 3.41) \$40 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 502290 (Attach duplicate copy of this page if paying by deposit account)					
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9 .	9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. HARRY S. LEE, REG. NO. 56,814 Date: April 28, 2008						
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PATENT

REEL: 020881 FRAME: 0345

Attorney Docket No. 2101-3433

			ASSIGNMENT	
(1-8)	Insert Name(s) of Inventor(s)	(1) (2) (3) (4)	PATRICK FISCHER	(5) (6) (7) (8)
			valuable considerations paid	n of one dollar (\$1.00) and other good and to each of the undersigned, the undersigned by does assign, transfer and set over to
(9)	Insert name of Assignee	(9)	LG ELECTRONICS INC.	
(10)	Insert state of Incorporation of Assignee	(10)	Korea	
(1.1)	Insert address of Assignee	(11)	20 Yeouido-Dong, Yeongdeu	ngpo-Gu,
			Seoul, 150-721, Korea	
		(hero inter	einafter designated as the Ass est in the invention known as	ignee) the entire worldwide right, title and
(12)	Insert identification of Invention, such as Title, Case	(12)	HIERARCHICAL SERVICE I	IST (Application no. 12/031,487)
	Number or Foreign Application Number		for which the undersigned ha the United States of America corresponding thereto or bas	is (have) executed an application for patent in and all patent applications in foreign countries ed thereon.
(13)	Insert Date of Signing of Application	(13)	March 9, 2008	
divisio separ	onal and continuing United Stat	es and	foreign applications for the	ssary in connection with any original, relasue above-identified invention and also to execut se may deem necessary or expedient.
may t every	The undersigned ag be declared concerning this app way possible in obtaining evider	dicatio	n or continuation or division	sary in connection with any interference which thereof and to cooperate with the Assignee in rference.
	3) The undersigned ag	ree(s)	to execute all papers and d	ocuments and perform any act which may be

- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints the Attorneys associated with Customer No. 035884 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 03/04/08	Signature of Inventor Patul
Date:	Signature of Inventor
Date:	Signature of inventor

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