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01-24-2005

Docket No.: 123059-05000909  
FORM PTO-1595  
1-31-92

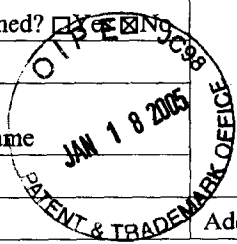


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To the Honorable Commissioner of Patents & Trademarks, please record the attached original documents or copy thereof.

1. Name of conveying party(ies): <b>Electronics and Telecommunications Research Institute</b>		2. Name and address of receiving party(ies): Name: <b>Electronics and Telecommunications Research Institute</b> Address: <b>161 Gajeong-dong, Yuseong-gu, Daejeon, Republic of Korea</b>	
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> 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			
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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:	
A. Patent Application No.(s) <b>08/915,945 ( filed 08211997)</b>	B. Patent No.(s) <b>5,991,636 (issued: 11231999)</b>
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address of party to whom correspondence concerning document should be mailed:  <b>Customer No. 43569 or MAYER, BROWN, ROWE &amp; MAW LLP Intellectual Property Group 1909 K Street, N.W., Washington, D.C. 20006-1101</b>		6. Total applications and patents involved: <b>1</b>	
		7. Total fee (37 CFR 3.41): <b>\$40.00</b>	
		<input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
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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.*

<b>Yoon S. Ham</b>		<b>January 18, 2005</b>
Name of Person Signing	Signature	Date

Registration Number: <b>45,307</b>	Total number of pages including this cover sheet: <b>4</b>
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01 FC:8021 40.00 BA

# Additional Cover Sheet for Recordation of Assignment

2-1. Name and Address of Receiving Party(ies):			
Name:	VK Corporation		
Street Address:	67 Jije-dong,		
City:	Pyeongtaek-shi, Kyonggi-do		
State/Country:	Korea	Postal Code:	100-709

Customer No. 43569  
or  
MAYER, BROWN, ROWE & MAW LLP  
Intellectual Property Group  
1909 K Street, N.W.,  
Washington, D.C. 20006-1101

## ASSIGNMENT

WHEREAS, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, an Institute of Republic of Korea, located at 161 Kajong-dong, Yusong-gu, Daejeon-shi, Republic of Korea, (hereinafter Assignor) owns U.S. Letters Patent 5,991,636 by virtue of an Assignment recorded August 21, 1997 on Reel 8681, Frame 0785; and

WHEREAS, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, an Institute of Republic of Korea, located at 161, Gajung-dong, Yusong-ku, Daejeon-shi, Republic of Korea, and VK CORPORATION, a Corporation of Republic of Korea, located and doing business at 67 Jije-dong, Pyoungtaek-shi, Kyonggi-do, Republic of Korea, (hereafter Assignees), are desirous of acquiring the complete title and interest in said Letters Patent;

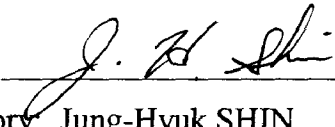
NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents do sell, assign and transfer unto said Assignees, their successors, legal representatives, heirs and assigns the entire right, title and interest in the United States to said invention as described in Letter Patent 5,991,636, and all re-issues, or extensions of said Letters Patent to be held and enjoyed by said Assignees for their own use, or for their legal representatives, successors, heirs, and assigns to the full end of the term for which said Letters Patent is granted, and any extensions thereof, as fully and entirely as the same would have been held by said Assignor had this assignment and sale not been made, and for the same consideration said Assignor hereby covenant and agree that at the time of execution and delivery of this instrument it is the lawful owner of the complete right, title and interest in and to said invention and said Letters Patent above mentioned, and their interest is unencumbered and that they have good and full right and lawful authority to sell and convey its interest in the manner set forth herein; and for the same consideration Assignor hereby covenant and agrees that it will, when ever counsel for said Assignees, or counsel for their legal successors, legal representatives, heirs or assigns shall advise that any proceedings in connection with said Letters Patent or any re-issue or extension of said Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, make all lawful oaths, and do all acts necessary as required to be done for the procurement, maintenance, enforcement and defense of said Letters Patent, without charge to said Assignor, its successors, legal representatives, heirs and assigns, but at the expense of said Assignees, their successors, legal representatives, heirs and assigns.

Assignor hereby further assign to Assignees all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

Assignor hereby grant(s) the law firm of Mayer, Brown, Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C. 20006-1101, 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.

Assignor: Electronics and Telecommunications Research Institute

Date: December 29, 2004

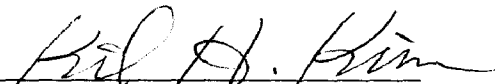
Signature: 

Name of Signatory: Jung-Hyuk SHIN

Title : Leader of Intellectual Property Management Team

Witnesses:

(1) Yong-Ho Son 

(2) Kil-Hae Kim 

Atty. Ref.:

YSH/kyc