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1. Name of conveying party(ies):

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OMB No. 0651-0011 (exp. 4/94)

Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

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Street Address: 416 Maetan-dong, Paldal-gu,

City: Suwon-city, Kyungki-do, REPUBLIC OF KOREA

Execution Date:

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: September 19, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Internal Address:

09665123

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eugene M. Lee

Internal Address: KILE, MCINTYRE, HARBIN & LEE

Street Address: 1101 Pennsylvania Avenue, N.W., Suite 800

City: Washington, State: D.C. ZIP: 20004

6. Total number of applications and patents

involved: One

7. Total fee (37 C.F.R. § 3.41). \$40.00

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Eugene M. Lee

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September 20, 2000

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Mail documents to be recorded with required cover sheet information to:
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PATENT REEL: 011129 FRAME: 0545

PAGE 2 OF ASSIGNMENT TRANSMITTAL - In-Kyeong YOO

VIRGINIA TECH INTELLECTUAL PROPERTIES, INC. 1872 Pratt Drive, Suite 1625 Blacksburg, Virginia 24060

PATENT REEL: 011129 FRAME: 0546

ASSIGNMENT

Fur good and valuable consideration, the receipt and sufficiency of which are horoby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto SAMSUNG ELECTRONICS CO., LTD.

The second second of the second secon

name and address of assignee

416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

Virginia Tech Intellectual Properties, Inc. 1872 Pratt Drive, Suite 1625 Blacksburg, Virginia 24060

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

fitle of invention

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as set forth in his United States Patent Application

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In and to said United States Patent Application including any and all divisions or continuations literaof and in and to any and all Letters Patent of the United States which may issue on any such application or for eald invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and essigns to the full and of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held suid enjoyed by the undersigned had this Assignment not been made:

Each of the undereigned hereby authorizes and requests the Commissioner of Patents and Trademarke to issue

any and all such Letters Patent to said ASSIGNEE, its successors or accigns in accordance herewith;

Each of the undersigned warrante and covenants that he has the full and unencumbered right to sell and easign the interests herein sold and assigned and that he has not executed and will not execute any decument or instrument in conflict herewilli,

Each of the undersigned further covenants and agrees the will communicate to said ASSIGNEE, its successors. legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful eaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or destribble by sold ADDIONEE, its successors, legal representatives or assigns to perfect title to suid Invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon,including relasues or extensions, in cold ASSIGNEE, its successors, or assigns or to assist sald ASSIGNEE, its successore, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention:

Each of the undersigned hereby grants the firm of KILE, MCINTYRE, HARBIN & LEE the power to Insert in this Assignment any further identification which may be necessary or desirable to comply with the ruice of the U.S. Patent and

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N	AMES AND SIGNATI	URES OF INVE	NTOR	s /	/				
Name: In-Kyeong YOO	Signature:		Mil	HI S		Date: 1	9/09/200		
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