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FORM PTO-1595 (Rev. 6-93) OMD No. 0651-0011 (exp. 4/94)

Record



DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Yeong-Taeg Kim; Myeong-Hwan Lee
Additional name(s) of conveying party(ies) attached? [X] No [] Yes

2. Name and address of receiving party(ies): Name: Samsung Electronics Co., LTD., Internal Address:

3. Nature of Conveyance: [X] Assignment [] Change of Name [] Security Agreement [] Other [] Merger
Execution Date: 04/26/99, 03/18/99

Street Address: 416, Maetan-Dong, Paldal-Gu Suwon City, Kyungki-Do, KOREA
City: State: ZIP:
Additional name(s) & address(es) attached? [X] No [] Yes

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: 04/26/99
A. Patent Application No.(s) 09301021

B. Patent No.(s) 03/18/99
Additional numbers attached?

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Blakely, Sokoloff, Taylor & Zafman LLP
Internal Address:
Street Address: 12400 Wilshire Boulevard 7th Floor
City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41).....\$ 40.00
[X] Enclosed [] Authorized to be charged to deposit account
8. Deposit Account Number: 02-2666
(Attach duplicate copy of this page if paying by deposit account)

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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.

Kimberley G. Nobles, Reg. No. 38,255
Name of Person Signing

Signature (Handwritten)

April 28, 1999
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

Attorney Docket No. 002410.P055

Vertical stamp: 05/12/1999 MAIL ROOM 09301021 40.00 DP 03 FC:581

Vertical stamp: 9125 U.S. PTO 04/28/99

PATENT REEL: 9943 FRAME: 0638

ASSIGNMENT

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Yeong-Taeg Kim; Myeong-Hwan Lee

hereby sell, assign, and transfer to:

Samsung Electronics Co., LTD.,

a corporation of Korea, having a principal place of business at 416, Maetan-Dong, Paldal-Gu Suwon City, Kyungki-Do, KOREA, . . ., ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

METHOD AND APPARATUS OF PROVIDING ADAPTIVE EQUALIZATION USING SIGN PERMUTATION FILTERING

and in and to said application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each inventor: Please also list the date that you signed the accompanying DECLARATION & POWER OF ATTORNEY

Each Inventor: Please Sign and Date Below:

4/26/99 Kim Yeong-Taeg
Date Name: **Yeong-Taeg Kim**

03/18/99 Lee Myeong-Hwan
Date Name: **Myeong-Hwan Lee**

Date Name:

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