(Rev. 6/93) R 102	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office EET Attorney Docket No. 5000-1-374
1. Name of conveying party(ies): Hwa-Young Kang Additional name(s) of conveying party(ies) attached? [1 Yes [X]] 3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name Other: Execution Date: July 14, 2003	Name: SAMSUNG ELECTRONICS CO.; LTD. WAS Address: 416, MAETAN-DONG, PALDAL-GU SUWON-CITY, KYUNGKI-DO KOREA, REPUBLIC OF KOREA
4. Application number(s) or patent number(s): 1062 If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers 5. Name and address of party to whom correspondence concerns.	B. Patent No.(s) s attached? [] Yes [x] No
document should be mailed: Name: Steve Cha Address: CHA & REITER 411 Hackensack Avenue, 9th Floor Hackensack, New Jersey 07601	7. Total fee (37 CFR 3.41): \$40.00 [X] Enclosed [X] Authorized to be charged to deposit account, if necessary - for overages or underpayments only 8. Deposit account number: 502-470 (Attach duplicate copy of this page if paying by deposit account)
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. Steve Cha, Reg No.44,069 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3	
Mail documents to be recorded with required cover sheet information to: /2003 STEUMEL1 00000048 10621587 Assistant Commissioner for Patents Box Assignments Box Assignments Washington, D.C. 20231	

(BDSM 8) (9/94)

Docket No.: 5000-1-374

Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

Hwa-Young KANG of 990-18, Youngtong-dong, Paldal-gu, Suwon-shi, Kyonggi-do, Republic of Korea

(hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

SAMSUNG ELECTRONIC CO., LTD. of 416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA REPUBLIC OF KOREA

(hereinafter Assignee) the entire right, title and interest for the United States Of America as defined in 35 U.S.C.§ 1.00, in and to the invention entitled as:

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invented by Assignor; the application for United States patent therefor, invented by Assignor; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. Assignor authorizes Assignee to enter the date of signature and/or Serial Number and Filing Date in the above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said Assignee, for its interests as Assignee, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said Assignee; and Assignor further conveys to Assignee all priority rights resulting from the above-identified application for United States Patent. Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by Assignee to perfect Assignee's interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

1

PATENT REEL: 014306 FRAME: 0129

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

Name of First Inventor: Hwa-Young KANG Hwa-Young Kang
Signature of inventor

Dated: July 14, 2003

WITNESSED: Jong-Hee KIM

2

RECORDED: 07/17/2003

PATENT REEL: 014306 FRAME: 0130