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FORM PTO-1595



SHEET

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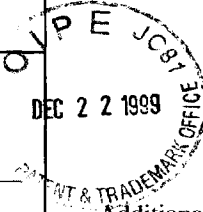
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party:
HUN-SOK OH
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
SAMSUNG ELECTRONICS CO., LTD.,
a corporation organized under the laws of the Republic of Korea
416, Maetan-dong, Paldal-ku, Suwon,
Kyungki-do, Republic of KOREA

3. Nature of conveyance
 Assignment Merger
 Security Agreement Change of Name
 Other



Execution Date: 16 December 1999

Additional name(s) & addresses attached? Yes No

4. Application number(s) or Patent number(s):
If this document is being filed together with a new application, the execution of the application is:

A. Patent Application No.(s)
09/428,715

B. Patent No.(s)

Additional number(s) attached? Yes No

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

Name: Robert E. Bushnell
Attorney at Law
Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005
(202) 638-5740

6. Total Number of applications and patents involved: ONE

7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit Account Number:

(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 information is true and correct and any attached copy is a true copy of the original document.

Robert E. BUSHNELL
Name of Person Signing

Signature

December 22, 1999
Date

Total number of pages comprising cover sheet: _____

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PATENT
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ASSIGNMENT

DOCKET NO. P55851

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: SAMSUNG ELECTRONICS CO., LTD.

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

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE:

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:

- executed on even date herewith, or
- Serial No. 09/428,715 filed in the U.S. Patent & Trademark Office on 23 October 1999, or
- executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

<u>INVENTOR(s)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1) <u>Ch Hun Sok</u> Hun-sok Oh	(Seal) <u>16 Dec. 1999</u>	_____
2) _____	(Seal) _____	_____
3) _____	(Seal) _____	_____
4) _____	(Seal) _____	_____
5) _____	(Seal) _____	_____
6) _____	(Seal) _____	_____