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To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Allen LeRoy LIMBERG

Additional name(s) of conveying party(ies) attached?  
 yes  no

2. Name and address of receiving party(ies)?

Name:  
SAMSUNG ELECTRONICS CO., LTD.  
Internal Address:  
416, Maetan-dong 3-dong, Paldal-ku, Suwon-city, Kyungki-do,  
Republic of Korea 442-742  
Street Address:  
Same as above

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: June 2, 1999

City State Zip

Additional name(s) & address(es) attached?  
 yes  no

4. Application number(s) or patent number(s): 09/335515

If this document is being filed together with a new application, the execution date of the application is:  
June 2, 1999

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached?  Yes  No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:  
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00  
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

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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.

*Darryl Mexic*  
Name Darryl Mexic Reg. No. 23,063

June 18, 1999  
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3

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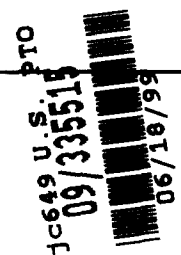
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Box Assignments  
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# ASSIGNMENT

WHEREAS, I/we:

- (1) Allen LeRoy LIMBERG
- (2)
- (3)
- (4)
- (5)

(hereinafter collectively ASSIGNOR), has/have made an invention entitled:

DTV RECEIVER SYMBOL DECODING CIRCUITRY WITH  
CO-CHANNEL NTSC ARTIFACTS SUPPRESSION FILTER BEFORE DATA SLICER

for which an application for Letters Patent of the United States [  ] was executed on even date herewith; [  ] was filed on \_\_\_\_\_ as U.S. Serial No. \_\_\_\_\_;

**AND WHEREAS**, SAMSUNG ELECTRONICS CO., LTD. (hereinafter ASSIGNEE), a corporation duly organized and existing under the laws of the Republic of Korea and having its principal office and place of business at 416 Maetan 3-dong, Paldal-ku, Suwon-city, Kyungki-do, Republic of Korea 442-742, desires to acquire an interest therein;

**NOW, THEREFORE**, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR does hereby sell, assign and transfer unto the said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to the said invention as described in the aforesaid application, in the United States and all foreign countries, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, or to its successors, assigns and legal representatives as ASSIGNEE so chooses.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and for the perfecting of title thereto in said ASSIGNEE.

Executed on the date(s) below indicated:

<u>SIGNATURE</u>	<u>DATE SIGNED</u>	<u>WITNESS</u>
(1)  Allen LeRoy LIMBERG	<u>2 June 1999</u>	
(2) _____	_____	_____
(3) _____	_____	_____
(4) _____	_____	_____
(5) _____	_____	_____

Please return recorded Assignment to:

SAMSUNG ELECTRONICS CO., LTD.  
1200 New Hampshire Avenue, N.W., Suite 550  
Washington, D.C. 20036

SEC-006 4/99