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101639611

Patent and Trademark Office

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

1. Name of conveying party(ies):
Allen Le Roy Limberg and Chandrakant B. Patel

2. Name and address of receiving party(ies):
Name: SAMSUNG ELECTRONICS COMPANY, LTD.

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

Street Address: 416, Maetan-3 dong, Paidal-ku

City: Suwon-city, Kyungki-do

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

State: REPUBLIC OF KOREA 442-742

Additional name(s) & address(es) attached? Yes No

Execution Date: February 7, 2001

4. Application number(s) or registration number(s):

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

A. Patent Application No.(s): 09/700,448 FILED: May 11, 1999

B. Patent No.(s): FEB 15 2001

Additional numbers attached? Yes No

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

Name: Michael S. Dowler
Arnold, White & Durkee
P.O. Box 4433

City: Houston State: Texas Zip: 77210

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account if check insufficient or inadvertently omitted

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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.

Michael S. Dowler

Michael Dowler 2/13/01
Signature Date

Name of Person Signing, Reg. No. 34,582

Total number of pages including cover sheet, attachments and documents: 3

Mail documents to be recorded with required cover sheet information to:

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to **SAMSUNG ELECTRONICS COMPANY, LTD.** (the "Assignee"), a corporation of Korea having a place of business at 416, Maetan-3 dong, Paidal-ku, Suwon-city, Kyungki-do, REPUBLIC OF KOREA 442-742, the entire right, title and interest for the United States in and to any and all improvements which are disclosed in U.S. Patent Application No. 09/700,448 filed on November 9, 2000, entitled **DTV SIGNAL WITH GCR COMPONENTS IN PLURAL-DATA-SEGMENT FRAME HEADERS AND RECEIVER APPARATUS FOR SUCH SIGNAL**, claiming priority of U.S. Provisional patent application numbers 60/120,638 of February 18, 1999, and the International Application number **PCT/US99/10290**, filed on May 11, 1999, and any application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States on any of such improvements; all original and reissued patents which have been or shall be issued in the United States on such improvements;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Allen L. Limberg
Name: Allen L. Limberg

Date: February 7, 2001

In witness of the above signatures:

Signature: James A. Kutzner
Witness: James A. Kutzner
Title: Senior Technology Director, ATTC

Date: Feb. 7, 2001

Signature: Chandrakant B. Patel
Name: Chandrakant B. Patel

Date: Feb. 7, 2001

In witness of the above signature:

Signature: James A. Kutzner
Witness: James A. Kutzner
Title: Senior Technology Director

Date: Feb. 7, 2001