



05-19-2006

FORM PTO-1595 (modified)
(Rev. 8-93)

OMB No. 0651-0011 (exp. 4/94)

RECORD
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103240650

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Sung-cheol PARK, Kyoung-mook LIM, Hyung-jun LIM, She-
woong JEONG, Jae-hong PARK, Heo-jin BYEON

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

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

Name: Samsung Electronics Co., Ltd.

Internal Address:

Street Address: 416 Maetan-dong, Yeongtong-gu,

City: Suwon-si, Gyeonggi-do, REPUBLIC OF KOREA

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

3. Nature of conveyance:

☒ Assignment Merger
☐ Security Agreement Change of Name
☐ Other

Execution Date: May 10, 2006 and May 13, 2006

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:

A. Patent Application No.(s)

11/331,359

B. Patent No.(s)

Additional numbers attached? No

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

Name: Eugene M. Lee

Internal Address: LEE & MORSE, P.C.

Street Address: 1101 Wilson Boulevard, Suite 2000

City: Arlington, State: VA ZIP: 22209

6. Total number of applications and patents
involved: One

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

☒ Enclosed (PTO-2038)☒ Authorized to be charged to deposit account any additional
fees

8. Deposit account number: 5-01645

(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.

Eugene M. Lee

Name of Person Signing

Signature

May 16, 2006

Date

Total number of pages including cover sheet, attachmets, and document: 3 pages attached, incl. cover

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

Commissioner of Patents & Trademarks, Box Assignments

Alexandria, VA. 22313

05/17/2006 MBEYENE2 00000180 11331359

01 FC:0021

40.00 OF

PATENT
REEL: 017896 FRAME: 0877

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

SAMSUNG ELECTRONICS CO., LTD.
416 Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Republic of Korea 442-742

name and
address of
assignee

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of
invention

**DIGITAL VIDEO SIGNAL PROCESSING APPARATUS AND METHOD FOR
ADAPTIVE TEMPORAL AND SPATIAL Y/C SEPARATION IN MULTIPLE
DIRECTIONS**

as set forth in this United States Patent Application

check one

executed concurrently herewith

executed on _____

X Serial No. 11/331,359 Filed January 13, 2006

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of LEE & MORSE, P.C. the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS

Name: <u>Sung-cheol PARK</u>	Signature: <u>Sung-cheol PARK</u>	Date: <u>10/May/2006</u>
Name: <u>Kyoung-mook LIM</u>	Signature: <u>Kyoung Mook Lim</u>	Date: <u>10/May/2006</u>
Name: <u>Hyung-jun LIM</u>	Signature: <u>HYUNGTUN LIM</u>	Date: <u>10/May/2006</u>
Name: <u>Seh-woong JEONG</u>	Signature: <u>SEH WOONG JEONG</u>	Date: <u>10/May/2006</u>
Name: <u>Jae-hong PARK</u>	Signature: <u>Jae-hong Park</u>	Date: <u>10/May/2006</u>
Name: <u>Heo-Jin BYEON</u>	Signature: _____	Date: _____

NAMES AND SIGNATURES OF WITNESSES

Name: _____	Signature: _____	Date: _____
Name: _____	Signature: _____	Date: _____

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

ASSIGNMENT

name and address of assignee	For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto
	SAMSUNG ELECTRONICS CO., LTD. 416 Maetan-dong, Yeongtong-gu, Suwon-sh, Gyeonggi-do, Republic of Korea 442-742
	(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention	DIGITAL VIDEO SIGNAL PROCESSING APPARATUS AND METHOD FOR ADAPTIVE TEMPORAL AND SPATIAL Y/C SEPARATION IN MULTIPLE DIRECTIONS
	as set forth in this United States Patent Application

check one	executed concurrently herewith
	executed on _____
	X Serial No. <u>11/331,359</u> Filed <u>January 13, 2006</u>

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

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Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

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Name: <u>Sung-cheol PARK</u>	Signature: _____	Date: _____
Name: <u>Kyoung-mook LIM</u>	Signature: _____	Date: _____
Name: <u>Hyung-jun LIM</u>	Signature: _____	Date: _____
Name: <u>Seh-woong JEONG</u>	Signature: _____	Date: _____
Name: <u>Jae-hong PARK</u>	Signature: _____	Date: _____
Name: <u>Heo-jin BYEON</u>	Signature: <u>Byeon Heo-Jin</u>	Date: <u>03/13/2006</u>

NAMES AND SIGNATURES OF WITNESSES

Name: _____	Signature: _____	Date: _____
Name: _____	Signature: _____	Date: _____

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

PATENT

RECORDED: 05/16/2006

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