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FORM PTO-1595  
(Rev. 6/93)



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RECORDATION FORM COVER  
PATENTS ONLY

103547683

1-1234

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):  
Young-O PARK; Kwan-Woong SONG;  
Young-Hun JOO; Kwang-Pyo CHOI; Yun-Je OH;  
Chang-Su KIM; Jae-Kyun AHN

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

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other: \_\_\_\_\_

Execution Date: January 15, 2009

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

Name: SAMSUNG ELECTRONICS CO., LTD.

Address: 416. MAETAN-DONG, YEONGTONG-GU

SUWON-SI, GYEONGGI-DO

REPUBLIC OF KOREA

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

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: January 15, 2009

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:

Name: Steve Cha

Address: CHA & REITER  
210 Route 4 East, Suite #103  
Paramus, New Jersey 07652

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

☒ 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)

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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.*

Steve Cha, Reg No. 44,069  
Name of Person Signing

[Signature]  
Signature

1-30-09  
Date

Total number of pages including cover sheet, attachments, and document: 5

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

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

02/02/2009 SSITHIB1 00000067 12322250

02 FC:1011  
03 FC:1111  
04 FC:1211  
05 FC:1202  
06 FC:8021

~~330.00~~ OP  
~~540.00~~ OP  
~~220.00~~ OP  
~~322.00~~ OP  
40.00 OP

PATENT  
REEL: 022250 FRAME: 0471

(R)TSM R1

**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,

- 1) Young-O PARK of  
#404-802, Neutimaetul Jugong 4-danji APT., Jeongja-dong, Bundang-gu, Seongnam-si,  
Gyeonggi-do, Republic of Korea
- 2) Kwan-Woong SONG of  
#6-407, Hanyang 1-cha APT., Ssangmun-dong, Dobong-gu, Seoul, Republic of Korea
- 3) Young-Hun JOO of  
#206-1403, Taeyeong APT., Yeongdeok-ri, Giheung-eup, Yongin-si, Gyeonggi-do,  
Republic of Korea
- 4) Kwang-Pyo CHOI of  
#103-705, Woosung APT., Bakdal 2-dong, Manan-gu, Anyang-si, Gyeonggi-do,  
Republic of Korea
- 5) Yun-Je OH of  
#107-1801, Samsung Raemian 1-cha APT., Mabuk-dong, Giheung-gu, Yongin-si,  
Gyeonggi-do, Republic of Korea
- 6) Chang-Su KIM of  
#111-1402, Woosung APT., Yangjae-dong, Seocho-gu, Seoul, Republic of Korea
- 7) Jae-Kyun AHN of  
#2450, Jungjingsiwon, 156, Anam-dong 5-ga, Seongbuk-gu, Seoul, Republic of Korea

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

**SAMSUNG ELECTRONICS CO., LTD.** of  
**416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO,**  
**REPUBLIC OF KOREA**

**KOREA UNIVERSITY INDUSTRIAL & ACADEMIC COLLABORATION**  
**FOUNDATION** of  
**1, ANAM-DONG 5-GA, SEONGBUK-GU, SEOUL, 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:  
**METHOD AND APPARATUS FOR ESTIMATING OBJECT CONTOUR IN A MOVING PICTURE**

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

igned 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.

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

**Name of First Inventor: Young-O PARK**

Young-O Park  
Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Second Inventor: Kwan-Woong SONG**

Kwan W. Song  
Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Third Inventor: Young-Hun JOO**

Young-Hun Joo  
Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Fourth Inventor: Kwang-Pyo CHOI**

Kwang-Pyo Choi  
Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Fifth Inventor: Yun-Je OH**

Yun-Je Oh

Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Sixth Inventor: Chang-Su KIM**

Chang Su Kim

Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**Name of Seventh Inventor: Jae-Kyun AHN**

Jae-Kyun AHN

Signature of inventor

Dated: January 15, 2009

WITNESSED: \_\_\_\_\_

**PAGE 2 OF RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

Attorney Docket No. 5000-1-1234

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

Name:

KOREA UNIVERSITY INDUSTRIAL  
& ACADEMIC COLLABORATION  
FOUNDATION of

Address:

1, ANAM-DONG 5-GA, SEONGBUK-GU,  
SEOUL, REPUBLIC OF KOREA

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