


Client Code: SAMINF.190A/DMS08-VA08-A **RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1) Surapong Lertrattananich 2) Yeong-Taeg Kim</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>( ) Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> Samsung Electronics Co., Ltd. <b>Street Address:</b> 416 Maetan-Dong, Paldal-Gu, Kyungki-Do <b>City:</b> Suwon City <b>Country:</b> KR</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>( ) Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1) March 18, 2009 2) March 19, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/410,285 Filing Date: March 24, 2009</p> <p>Additional numbers attached?</p> <p>( ) Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 70,590 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> SAMINF.190A/DMS08-VA08-A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Gregory A. Hermanson</u> Name of Person Signing</p> <p>53,018 Registration No.</p> <p> Signature</p> <p><u>March 25, 2009</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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PATENT

Application No.: 12/410,285

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Filing Date: March 24, 2009

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## ASSIGNMENT

WHEREAS, We, Surapong Lertrattananpanich, a Thailand citizen, residing at 84 Trailing Vine, Irvine, CA 92602; and Yeong-Taeg Kim, a Korean citizen, residing at 85 Shadywood, Irvine, CA 92620; have invented certain new and useful improvements in a SYSTEM AND METHOD FOR MEASURING BLOCKINESS LEVEL IN COMPRESSED DIGITAL VIDEO for which we caused to be filed an application for Letters Patent in the United States; and we hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 70,590, to insert here in parentheses (Application Number 12/410,285, filed March 24, 2009) the filing date and application number of said application when known:

AND WHEREAS, Samsung Electronics Co., Ltd. (hereinafter "ASSIGNEE"), a Korea Corporation, with its principal place of business at 416 Maetan-Dong, Paldal-Gu, Suwon City, Kyungki-Do, Korea, desires to acquire the entire right, title, and interest in and to said improvements and said Application

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT

REEL: 022455 FRAME: 0564

PATENT

Application No.: 12/410,285  
Filing Date: March 24, 2009

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of  
March, 2009

Surapong Lerttattanapanich  
Surapong Lerttattanapanich

PATENT

REEL: 022455 FRAME: 0565

Application No.: 12/410,285

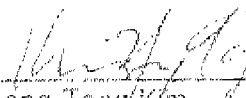
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19<sup>th</sup> day of  
March, 2009

  
\_\_\_\_\_  
Yeong-Taeg Kim

05/545505  
01/0001

PATENT

RECORDED: 03/25/2009

REEL: 022455 FRAME: 0566