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R SHEET

Attorney Docket No: 5000-1-999

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Patents

1. Name of conveying party(ies):
Jae-Hoon KWON; Yong-Hyun LIM

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: August 17, 2007

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: August 17, 2007

A. Patent Application No.(s)

08/21/2007 HDEHESS1 00000015 11894924

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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

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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
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8/22/07
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Total number of pages including cover sheet, attachments, and document: 3

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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) Jae-Hoon KWON of
#321-305, Sibeomdanji Hanyang APT., Seohyeon-dong, Bundang-gu, Seongnam-si,
Gyeonggi-do, Republic of Korea
- 2) Yong-Hyun LIM of
#2-1402, Samsung 1-cha APT., Maetan 4-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do,
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

(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:

**WAVELET TRANSFORMATION-BASED IMAGE ENCODER, DECODER AND METHOD
FOR GENERATING THUMBNAIL IMAGE**

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 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: Jae-Hoon KWON


Signature of inventor

Dated: August 17, 2007

WITNESSED: Hee Wm Cherry

Name of Second Inventor: Yong-Hyun LIM


Signature of inventor

Dated: August 17, 2007

WITNESSED: Hee Wm Cherry