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RECORDATION
PATEI 103355376

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
Young-Joo Song Kook-Heui Lee
Ki-Ho Jung
Mun-Churl Kim
Hendry
Additional name(s) of conveying party(ies) attached? Yes 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
State: Gyeonggi-do
Country: Republic of Korea Zip: 442-742
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) December 20, 2006
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
11/546,572
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Roynance, Abrams, Berdo & Goodman, L.L.P.
Internal Address: Suite 600
Street Address: 1300 19th Street, N.W.
City: Washington
State: D.C. Zip: 20036
Phone Number: (202) 659-9076
Fax Number: (202) 659-9344
Email Address: _____

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number _____
Authorized User Name _____

9. Signature: Demetra R. Smith-Stewart December 27, 2006
Signature Date

Demetra R. Smith-Stewart
Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450
10/20/2006 MARZII 00388809 11545572
02 1010001 48,00 01

ASSIGNMENT

WHEREAS, We, (1) Young-Joo SONG, citizens of the Republic of Korea; (2) Ki-Ho JUNG, citizens of the Republic of Korea; (3) Mun-Churl KIM, citizens of the Republic of Korea; (4) Hendry, citizens of Indonesia; and (5) Kook-Heui LEE, citizen of the Republic of Korea, residing respectively at (1) #305-1702, Dongsuwon LG Village 3-cha, Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (2) #506-1404, Jugong 5-danji, Byeoryang-dong, Gwacheon-si, Gyeonggi-do, Republic of Korea; (3) #102-802, Hanmaru APT., Dunsan-dong, Seo-gu, Daejeon, Republic of Korea; (4) #127, Dormitory, 119, Information & Communication University, Munji-dong, Yuseong-gu, Daejeon, Republic of Korea; and (5) #108-1004, Byuksan 1-cha APT., Suji-eup, Yongin-si, Gyeonggi-do, Republic of Korea (hereinafter "ASSIGNORS"), have made a certain invention entitled "MULTIMEDIA MIDDLEWARE APPARATUS USING METADATA, METHOD FOR CONTROLLING MULTIMEDIA MIDDLEWARE, AND STORAGE MEDIUM THEREOF" for which we are making application for Letters Patent of the United States, which application has been filed in the U.S. Patent and Trademark Office on October 12, 2006 and assigned Serial No. 11/546,572; and

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the aforementioned invention and the aforementioned application and any and all United States Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to us by said ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS, by these presents do hereby sell, assign, set over and transfer unto the said ASSIGNEE, its successors, legal representatives or assigns, the entire right, title and interest in and to the aforesaid invention in and for the United States; and in, to and under the aforesaid United States application and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be filed on said invention in the United States; and our right to file said applications and claim priority under the provisions of any international treaty or convention; and in and to any Letters Patent of the United States issued or granted on said invention and/or said applications;

AND WE HEREBY authorize and request the U.S. Patent and Trademark Office or other issuing authority to issue any and all patents on said invention and/or said applications to said ASSIGNEE as sole assignee;

AND WE HEREBY covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict herewith;

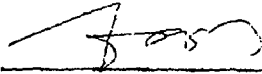
AND WE HEREBY further covenant and agree to communicate to said ASSIGNEE, or its legal representatives, successors or assigns, any facts relating to said invention,

ASSIGNMENT


including evidence for interference purposes or other proceedings, whenever requested, and to testify in any interference or in any other legal proceeding, when requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective; and to perform the aforesaid communicating, executing and delivering, without any payment except expenses and to perform the aforesaid testifying for reasonable compensation; and generally to do everything possible to aid the said ASSIGNEE, its successors, legal representatives or assigns to obtain and enforce proper patent protection on and for said invention in the United States, and likewise we make these provisions binding upon our heirs, legal representatives and/or administrators.

The undersigned hereby grant the firm of Roylance, Abrams, Berdo & Goodman, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20 day of Dec., 2006.



Young-Joo SONG




Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20 day of Dec., 2006.




Ki-Ho JUNG

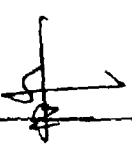


Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20 day of Dec., 2006.




Mun-Churl KIM




Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20 day of Dec., 2006.



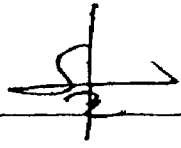
Hendy



ASSIGNMENT

Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20 day of
Dec., 2006.



Witness



Kook-Heui LEE

ASSIGNMENT

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승영주표준연구 Lab.(홍신연) 20061019132434

RECORDED: 12/27/2006

PATENT
REEL: 018739 FRAME: 0990