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OMB No. 0651-0027 (exp. 6/30/2005)
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Nam Il Lee Sang-Hyun Chi
Yong-Serk Kim
Seong-Kyu Hwang
Sang-Won Kang
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: _____

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

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

Execution Date: September 30, 2003

Suwon-city, Kyungki-do Korea
City: _____ State: _____ Zip: _____

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: Sept. 30, 2003

A. Patent Application No.(s) 10/670,743

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter L. Kendall
Roylance, Abrams, Berdo & Goodman, LLP
Internal Address: _____

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

Street Address: 1300 19th Street, N.W.
Suite 600
City: Washington State: DC Zip: 20036

8. Deposit account number:
18-2220

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9. Signature.

Peter L. Kendall (Reg. No. 46,246)
Name of Person Signing

Peter L. Kendall
Signature

February 12, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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03 PD:0001

40.00 DP

ASSIGNMENT

WHEREAS, We, Nam-II LEE, Yong-Serk KIM, Seong-Kyu HWANG, Sang-Won KANG and Sang-Hyun CHI, all citizens of the Republic of Korea, residing respectively at #1-907, Samsung1-cha APT., Maetan 4-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; #102-405, Hyundai APT., Maetan 4-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; #1-806, Enma APT., Daechi 2-dong, Gangnam-gu, Seoul, Republic of Korea; #606-803, Mokryun APT., 1054-6, Hoge-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea; and 303-20, 4-ban, Hyimang 3-ri, Hongcheon-cup, Hongcheon-gun, Gangwon-do, Republic of Korea (hereinafter ASSIGNORS), have made a certain invention entitled FAST SEARCH METHOD FOR NEAREST NEIGHBOR VECTOR QUANTIZATION for which we are making application for Letters Patent of the United States, which application has been executed concurrently herewith; 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, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the aforementioned invention in and for the United States, in and to the aforementioned application, and in and to 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; in and to 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, including our right to file said applications and claim priority under the provisions of any international treaty or convention; and any Letters Patent of the United States issued or granted on said invention and/or said applications;

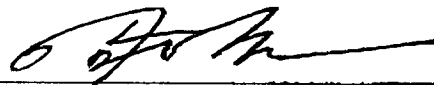
AND WE HEREBY authorize and request the U.S. Patent and Trademark Office to issue any and all patents on said invention and/or said application to said ASSIGNEE as sole assignee;

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, 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.

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 30th day of September, 2003.



Nam-II LEE




Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 30th day of September, 2003.



Yong-Seok KIM




Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 30th day of September, 2003.



Seong-Kyu HWANG



Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 30th day
of September, 2003.




Witness



Sang-Won KANG

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 30th day of
September, 2003.



Witness



Sang-Hyun CHI