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12-16-1998



To the Honorable Commissioner of Patents

d original documents or copy thereof.

## 1. Name of conveying party(ies):

Musa Jahanghir  
Jack Chaney  
Michael A. Kaufman

100921768

s of receiving party(ies):

Name: Samsung Electronics Co., Ltd., a Korean corp.

Internal Address: \_\_\_\_\_

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

12-14-98

## 3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date(s): December 6, 1998; December 7, 1998; andDecember 8, 1998Additional name(s) & addresses attached? ☐ Yes ☒ NoStreet Address: 16, Maetan-Dong, Paldal-Gu, Suwon

City, KYUNGKI-DO 441-742, KOREA

## 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: \_\_\_\_\_

A. Patent Application No.(s)

09/002,256

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kenneth L. Sherman, Esq.

Internal Address: \_\_\_\_\_

Street Address: SHERMAN & SHERMAN, 2029Century Park East, Seventeenth FloorCity: Los Angeles State: CA ZIP: 900676. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

## 8. Deposit Account No.:

19-1995

(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 an attached copy is a true copy of the original document.*Kenneth L. Sherman

Name of Person Signing

Signature

December 9, 1998

Date

Total number of pages comprising cover sheet: 1

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service first class mail in an envelope addressed to the: Hon. Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231.

MICHELLE PAREL

(Type or print name of person mailing paper)

(Signature of person mailing paper)

PATENT  
REEL: 9635 FRAME: 0584

## ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Musa Jahanghir, residing at 1620 Highland Blvd., Hayward, California 94542-1108, U.S.A.

Jack Chaney, located at c/o Samsung Information Systems America, 99 W. Tasman Drive, San Jose, California 95134, U.S.A.

Michael A. Kaufman, located at c/o Samsung Information Systems America, 99 W. Tasman Drive, San Jose, California 95134, U.S.A.

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

METHOD AND APPARATUS FOR CONVERTING A HIGH DEFINITION IMAGE TO A RELATIVELY LOWER DEFINITION IMAGE USING WAVELET TRANSFORMS  
(title of discovery or invention)

- [ ] for which application for Letters Patent of the United States has been executed on even date herewith,
- [X] for which application for Letters Patent of the United States has been filed on December 31, 1997, under Serial No. 09/002,256, and

WHEREAS:

Samsung Electronics Co., Ltd., a Korean corporation, located at 416, Maetan-Dong, Paldal-Gu, Suwon City, KYUNGKI-DO 441-742, KOREA (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the

full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to an under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all

such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Signature: Musa Jahanghir  
Musa Jahanghir

Dated: 12-6-98

Signature: Jack Chaney  
Jack Chaney

Dated: 12-8-98

Signature: \_\_\_\_\_  
Michael A. Kaufman

Dated: \_\_\_\_\_

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I hereby certify that this correspondence is being deposited with the United States Postal Service first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on 12/9/98

Signature: Michelle Patel  
Michelle Patel

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such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Signature: \_\_\_\_\_

Musa Jahanghir

Dated: \_\_\_\_\_

Signature: \_\_\_\_\_

Jack Chaney

Dated: \_\_\_\_\_

Signature: \_\_\_\_\_

Michael A. Kaufman

Dated: \_\_\_\_\_

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Signature: Michelle Parel

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