

05-20-2003

Form 1595
1-31-92 (modified)

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U.S. Department of Commerce
Patent and Trademark Office

102452544

Attorney Docket No.: 59472-8086.US01

To the Honorable Assistant Commissioner for Patents: Please record the attached
original documents or copy thereof

1. Name of conveying party(ies):

- a. Yongsam Moon
b. Gjung Ahn
c. Deog-Kyoon Jeong

Add'l names of conveying parties attached?

☐ Yes☒ No3. Nature of conveyance: ☒ Assignment☐ Merger ☐ Security Agreement☐ Reassignment ☐ Change of Name☐ Other4. Date of execution: a. 4/21/03; b. 4/23/03;
and c. 4/23/03

2. Name/address of receiving party(ies):

Silicon Image, Inc.
1060 E. Arques Avenue
Sunnyvale, California 94086

Add'l names of receiving parties
attached? ☐ Yes ☒ No

5. Application number(s) and/or patent number(s): 10/356,695

If this document is being filed with a new application, the date of signature by the first named inventor
was:

A. Patent Application No.(s) 10/356,695

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No6. Name and address of party to whom
correspondence concerning document
should be mailed:

Perkins Coie LLP
101 Jefferson Drive
Menlo Park, California 94025-1114

7. Total No. of applications and
patents involved: one (1)8. Total fee (37 CFR §3.41): \$40.00☒ Charge Deposit Account No. 50-06659. Total number of pages, including cover
sheet, attachments and document: 5

DO NOT USE THIS SPACE

10. Statement and signature:

*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.*

Jonathan P. Kudla

Name of Person Signing

Reg. No.: 47,724

Signature

Date

05/19/2003 LNUELLER 00000128 10356695

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[59472-0001/BY031280.079]

PATENT
REEL: 014071 FRAME: 0826

ASSIGNMENT

THIS ASSIGNMENT, by Yongsam Moon, Deog-Kyoon Jeong, and Gijung Ahn (hereinafter referred to as the Assignors), witnesseth:

WHEREAS, the said Assignors have invented certain new and useful inventions set forth in an application for Letters Patent of the United States entitled **Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions**, bearing Application No. 10/356,695 and filed with the U.S. Patent and Trademark Office on January 30, 2003;

WHEREAS, SILICON IMAGE, INC., a corporation duly organized under and pursuant to the laws of California, and having its principal place of business at 1060 E. Arques Avenue, Sunnyvale, California 94086 (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, the said Assignors have sold, assigned, transfer and set over, and by these presents does sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues, reexaminations, or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND, for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignors are the joint and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND, for the same consideration, the said Assignors hereby covenant and agree to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignors will, whenever counsel of the said Assignee, or the counsel of its successors, legal representatives and assigns, shall

[59472-8086/BY030290.038]

advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignees, their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND, the said Assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date: 04/21/2003

Yongsam Moon
Yongsam Moon

Date: _____

Deog-Kyoon Jeong

Date: 2003/4/23

Gijung Ahn
Gijung Ahn

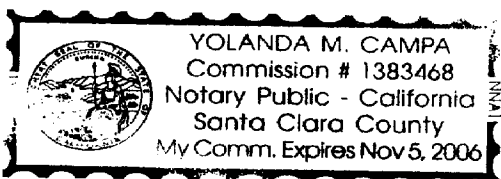
ACKNOWLEDGEMENTS

STATE OF California)
COUNTY OF Santa Clara) ss

On April 21, 2003 before me, Yolanda M. Campa, personally appeared **Yongsam Moon**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Seal

WITNESS my hand and official seal.



Yolanda M. Campa
Signature

Attorney Docket: 59472-8086.USD1

advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters patent, or any renewal or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignees, their successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND, the said Assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said Assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns

Date: 04/21/2003

Yongsam Moon
Yongsam Moon

Date: 4-23-2003

Deog-Kyoon Jeong
Deog-Kyoon Jeong

Date: 2003/4/23

Gijung Ahn
Gijung Ahn

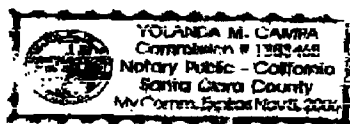
ACKNOWLEDGEMENTS

STATE OF California)
COUNTY OF Santa Clara) ss

On April 21, 2003 before me, Yolanda M. Campra, personally appeared Yongsam Moon, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Seal

WITNESS my hand and official seal.



Yolanda M. Campra
Signature

[59472-8086/0000290.030]

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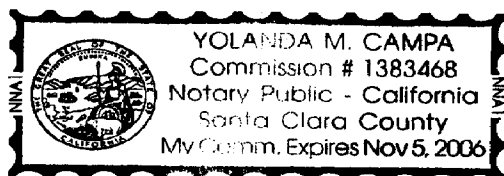
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STATE OF California)
COUNTY OF Santa Clara) ss

On April 13, 2003 before me, Yolanda M. Campa, personally appeared **Deog-Kyoon Jeong**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Seal

WITNESS my hand and official seal.



Yolanda M. Campa
Signature

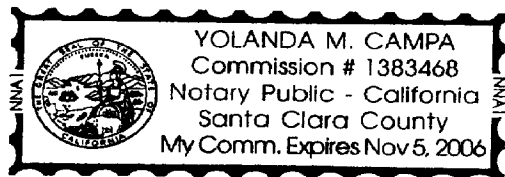
* * * * *

STATE OF California)
COUNTY OF Santa Clara) ss

On April 13, 2003 before me, Yolanda M. Campa personally appeared **Gijung Ahn**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Seal

WITNESS my hand and official seal.



Yolanda M. Campa
Signature