

March 27, 2002

FORM PTO-085 PUBLIC RECORDS

04-23-2002

DEPARTMENT OF COMMERCE
Patent and Trademark Office

2002 APR -9 AM 9:35

RECOF



Box Assignment Commissioner of Patents:

102063702

its or copy thereof.

1. Name of conveying party(ies):

Tetsuzo YOSHIMURA;

Yasuhito TAKAHASHI;

Masaaki INAO;

William CHOU;

Wen-chou Vincent WANG;

James J. ROMAN;

Thomas J. MASSINGILL

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

Name: FUJITSU LIMITED

Street address: 1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi
Kanagawa, 211-8588
Japan [Nippon]

Michael G. LEE;

Solomon I. BEILIN;

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other:

Execution Date: September 12-21, 2000 &
August 6-8, 2001

4. Application numbers or patent number(s): 09/295,431, Filed: April 20, 1999

If this document is being filed together with a new application, the execution date of the application is:

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

COUDERT BROTHERS LLP
600 Beach Street, Third Floor
San Francisco, CA 94109-1312
Telephone: 415-409-2900
Facsimile: 415-409-7400

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

8. The Commissioner is hereby authorized to charge any additional fees which may be required to record the attached Assignment(s) under 37 C.F.R. §§1.16-1.17 or credit any overpayment, to Deposit Account No. 13-0201. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 13-0201.

9. 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.

Hal R. Yeager

Name of Person Signing

Registration No: 35,419

Signature

Date

3/27/2002

*Total number of pages including cover sheet, attachments and document: 7

ASSIGNMENT

I, Yashuito Takahashi, having a residence address at 1-14-11 Hakoshimizu, Nagano 380-0801, JAPAN, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to FUJITSU LIMITED, a Japanese corporation, having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States entitled

MULTI-LAYER OPTO-ELECTRONIC SUBSTRATES WITH ELECTRICAL AND OPTICAL INTERCONNECTIONS AND METHODS FOR MAKING

signed by me (Attorney Docket No. 6136/53461) United States Application No. **09/295,431** filed **April 20, 1999**, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. I agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

8/6

, 2001

Yasuhito Takahashi
Yasuhito Takahashi

WITNESSED BY:

Yoshiyasu Saeki
(Signature of the Witness)

Witness Name:

Yoshiyasu Saeki
(Print or type name)

Address:

1-29-7 Inada, Suite
#201, Nagano 381-0042 Japan

WITNESSED BY:

Shunsuke Eiki
(Signature of the Witness)

Witness Name:

Shunsuke Eiki
(Print or type name)

Address:

15 Higashitsuruga, Nagano
380-0811 Japan

ASSIGNMENT

I, Tetsuzo Yoshimura, having a residence address at 1644-8 Kogasaka, Machida, Tokyo, Japan, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to FUJITSU LIMITED, a Japanese corporation, having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed in the application for Letters Patent of the United States entitled

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8/8, 2001

Tetsuzo Yoshimura
Tetsuzo Yoshimura

WITNESSED BY:

K. Asama
(Signature of the Witness)

Witness Name:

Kunihiko ASAMA
(Print or type name)

Address:

1404-1 Katakura,
Hachioji, Tokyo Japan

WITNESSED BY:

Y. Arai
(Signature of the Witness)

Witness Name:

Yukihiko Arai
(Print or type name)

Address:

3-27-2 Mejirodai.
, Hachioji, Tokyo, Japan

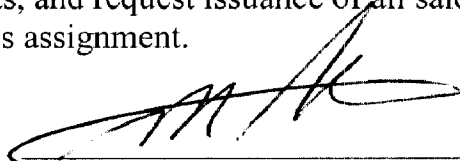
ASSIGNMENT

We, Masaaki Inao, having a residence address at 4671 Albany Circle #137, San Jose, California 95129; Michael G. Lee, having a residence address at 6064 Sage Oak Way, San Jose, California 95120; William Chou, having a residence address at 11551 Lake Spring Ct., Cupertino, California 95014; Solomon I. Beilin, having a residence at 83 Club Drive, San Carlos, California 94070; Wen-chou Vincent Wang, having a residence at 18457 Edminton Drive, Cupertino, California 95014; James J. Roman, having a residence at 854 Rubis Drive, Sunnyvale, California 94087; and Thomas J. Massingill, having a residence at 170 Northridge Drive, Scotts Valley, California 95066, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to FUJITSU LIMITED, a Japanese corporation, having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled:

MULTI-LAYER OPTO-ELECTRONIC SUBSTRATES WITH ELECTRICAL AND OPTICAL INTERCONNECTIONS AND METHODS FOR MAKING

signed by us (Attorney Docket No. 6136/53461) United States Application No. **09/295,431** filed **April 20, 1999**, and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

9/13/, 2000


Masaaki Inao

Sept. 12, 2000


Michael G. Lee

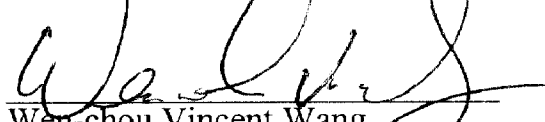
Sept. 21, 2000


William Chou


Sept. 21, 2000


Solomon I. Beilin


Sept 13, 2000


Wen-chou Vincent Wang

9/12, 2000


James J. Roman

9/15/00, 2000

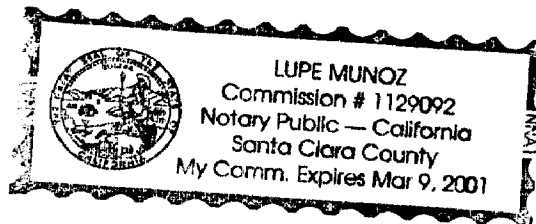

Thomas J. Massingill

STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 13, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **Masaaki Inao**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Lupe Munoz

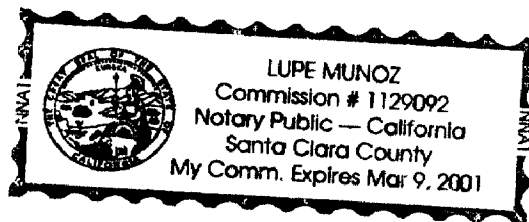


STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 12, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **Michael G. Lee**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Lupe Munoz

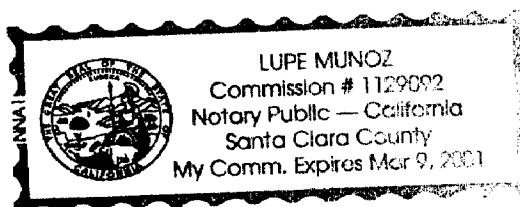


STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 21, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **William Chou**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

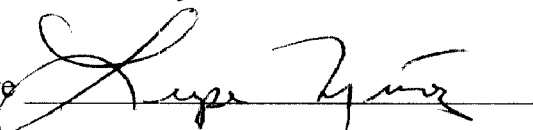
Signature Lupe Munoz

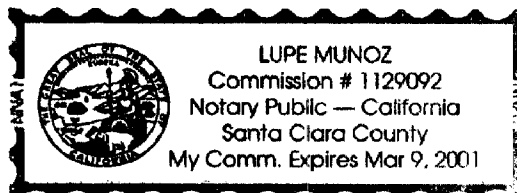


STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 21, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **Solomon I. Beilin**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

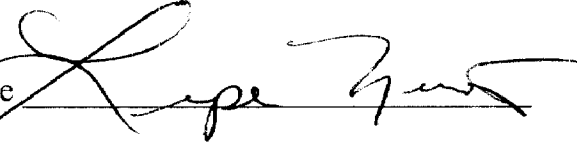
Signature 



STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 13, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **Wen-chou Vincent Wang**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 

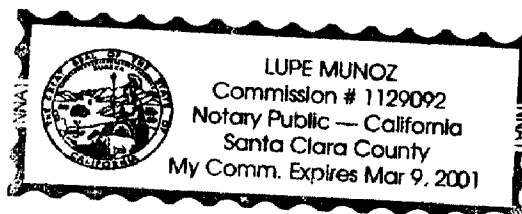


STATE OF California)
COUNTY OF Santa Clara) SS

On Sep. 12, 2000 before me, Lupe Munoz Notary Public (insert name and title of officer), personally appeared **James J. Roman**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature 



STATE OF California)
COUNTY OF Santa Clara) SS

On Sept. 15, 2000 before me, Lupe Munoz, Notary Public (insert name and title of officer), personally appeared **Thomas J. Massingill**, who 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

