

12-05-2002

Form PTO-1599 (Rev. 10/02) COMB No. 0651-0027 (exp. 6/30/2005)



ET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Tab settings [arrow] [arrow] [arrow] [arrow]

102302970

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Chang-Han Yun
Lawrence E. Felton
Maurice S. Karpman

12-2-02

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

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

Execution Date: November 19, 2002

2. Name and address of receiving party(ies)
Name: Analog Devices, Inc.

Internal Address: _____

Street Address: One Technology Way

City: Norwood State: MA Zip: 02062-9106

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: _____

A. Patent Application No.(s)
10/295,188

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Jeffrey T. Klayman

Internal Address: Bromberg & Sunstein LLP

Street Address: 125 Summer Street

City: Boston State: MA Zip: 02110

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

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Jeffrey T. Klayman
Name of Person Signing

[Signature]
Signature

November 25, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 10

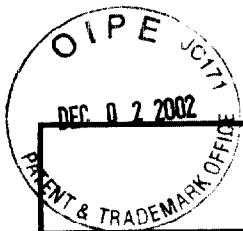


02101

PATENT TRADEMARK OFFICE

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

PATENT
REEL: 013539 FRAME: 0014



**ATTACHMENT FOR RECORDATION FORM COVER SHEET
PATENTS ONLY (Form PTO-1595)**

1. Name of conveying party(ies):

John A. Yasaitis
Colin Gormley

Michael W. Judy

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

2. Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

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: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

ASSIGNMENT

ASSIGNOR: Chang-Han Yun
Lawrence E. Felton
Maurice S. Karpman
John A. Yasaitis
Michael W. Judy
Colin Gormley

ASSIGNEE: Analog Devices, Inc.
One Technology Way
Norwood, MA 02062-9106

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

INVENTION: Fabricating Complex Micro-Electromechanical Systems Using a
Flip Bonding Technique

ATTORNEY DOCKET: 2550/135

SERIAL NO: 10/295,188

FILED: September 27, 2002

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including

divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

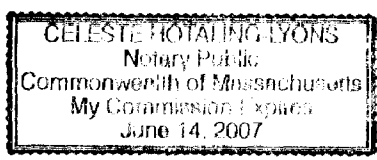
Date: 11/7/02 *Chang-Han Yun*
Chang-Han Yun, Assignor

COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF Middlesex)

Before me, a notary public in and for said county and state, personally appeared Chang-Han Yun, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Celeste Hotelling Lyons
Notary Public
My Commission Expires:

(seal)



Date: 11/7/02

Lawrence E. Felton

Lawrence E. Felton, Assignor

COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF Middlesex)

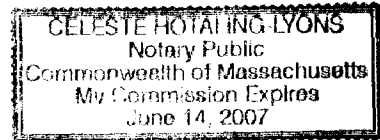
Before me, a notary public in and for said county and state, personally appeared Lawrence E. Felton, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Celeste Hotelling Lyons

Notary Public

My Commission Expires:

(seal)



Date: 11/7/02

Maurice S. Karpman

Maurice S. Karpman, Assignor

COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF Middlesex)

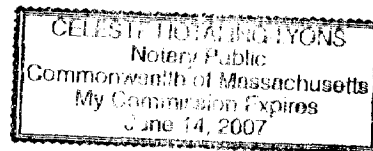
Before me, a notary public in and for said county and state, personally appeared Maurice S. Karpman, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Celeste Hotelling Lyons

Notary Public

My Commission Expires:

(seal)



Date: 11/19/02

John A. Yasaitis
John A. Yasaitis, Assignor

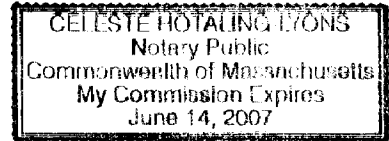
COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared John A. Yasaitis, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Celeste Hotelling Lyons
Notary Public

(seal)

My Commission Expires:



Date: 11/11/02

Michael W. Judy
Michael W. Judy, Assignor

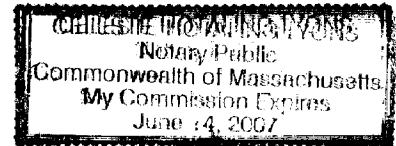
COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared Michael W. Judy, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Celeste Hotelling Lyons
Notary Public

(seal)

My Commission Expires:



Date: _____

Colin Gormley, Assignor

ASSIGNMENT

ASSIGNOR: Chang-Han Yun
Lawrence E. Felton
Maurice S. Karpman
John A. Yasaitis
Michael W. Judy
Colin Gormley

ASSIGNEE: Analog Devices, Inc.
One Technology Way
Norwood, MA 02062-9106

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

INVENTION: Fabricating Complex Micro-Electromechanical Systems Using a Flip Bonding Technique

ATTORNEY DOCKET: 2550/135

SERIAL NO: 10/295,188

FILED: September 27, 2002

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including

divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: _____

Chang-Han Yun, Assignor

COMMONWEALTH OF MASSACHUSETTS)

) ss.

COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared Chang-Han Yun, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Notary Public

My Commission Expires:

(seal)

Date: _____

Lawrence E. Felton, Assignor

COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared Lawrence E. Felton, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

Notary Public
My Commission Expires:

Date: _____

Maurice S. Karpman, Assignor

COMMONWEALTH OF MASSACHUSETTS)
) ss.
COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared Maurice S. Karpman, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

Notary Public
My Commission Expires:

Date: _____

John A. Yasaitis, Assignor

COMMONWEALTH OF MASSACHUSETTS)

) ss.

COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared John A. Yasaitis, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

Notary Public
My Commission Expires:

Date: _____

Michael W. Judy, Assignor

COMMONWEALTH OF MASSACHUSETTS)

) ss.

COUNTY OF)

Before me, a notary public in and for said county and state, personally appeared Michael W. Judy, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

Notary Public
My Commission Expires:

Date: 15th Nov 2002

Colin Gormley
Colin Gormley, Assignor

02550/00135 221398.1