

07-11-2002



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Atty Docket No.: 204075US2X

FORM PTO-1595
1-31-92

7.8.02

RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Hideaki TAKAHASHI, Keiichi SAJI, Jiro SAKATA, Tadashi INABA, Tadashi NAKAMURA, Yumi MASUOKA, Toshitaka SAITO and Akio TANAKA

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

3. Nature of Conveyance:

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

2/13, 2/12, 2/13, 2/12, 2/14,
2/13, 2/20, 2/20 of 2001,

Execution Date: respectively

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

Name: 1. KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO
2. DENSO CORPORATION

Address: 1. 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192, Japan
2. 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan

Additional name(s) and 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)

09/794,069

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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



22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41):

- ☐ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
(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 any attached copy is a true copy of the original document.

Robert T. Pous

Name of Person Signing

Registration Number: 29,099

Signature

James D. Hamilton

Registration No. 28,421

7/8/02

Date

Total number of pages including this cover sheet: 1

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Mail documents to be recorded with required cover sheet information to:

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PATENT
 REEL: 013063 FRAME: 0231

Assignment Of Application

Page 1 of 2

COPY

WHEREAS, I (WE) Hideaki TAKAHASHI, Keiichi SAJI, Jiro SAKATA,

Tadashi INABA, Tadashi NAKAMURA, and Yumi MASUOKA,

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

all c/o KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO 41-1, Aza Yokomichi,

Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan,

Toshitaka SAITO, 114 Ichiban-cho, Hanada, Toyohashi-city,

Aichi-pref., 441-8013 Japan,

and Akio TANAKA, 1-69-2 Kagiyanishimachi, Gifu-city, Gifu-pref.,

500-8314 Japan

, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: NO_x GAS DETECTING APPARATUS

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. 09/794,069, filed Feb. 28, 2001), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO and DENSO CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at: 41-1, Aza Yokomichi,
Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, 480-1192 Japan, and
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan, respectively,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb. 13. 2001

Hideaki Takahashi
(Signature of Inventor) Hideaki TAKAHASHI

Date: Feb. 12, 2001

Keiichi Saji
(Signature of Inventor) Keiichi SAJI

Date: Feb. 13. 2001

Jiro Sakata
(Signature of Inventor) Jiro SAKATA

Date: 12 / February / 2001

Tadashi Inaba
(Signature of Inventor) Tadashi INABA

Date: Feb. 14, 2001

Tadashi Nakamura
(Signature of Inventor) Tadashi NAKAMURA

Date: Feb. 13. 2001

Yumi Masuoka
(Signature of Inventor) Yumi MASUOKA

Date: Feb. 20, 2001

Toshitaka Saito
(Signature of Inventor) Toshitaka SAITO

Date: Feb. 20. 2001

Akio Tanaka
(Signature of Inventor) Akio TANAKA

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW

FOURTH FLOOR

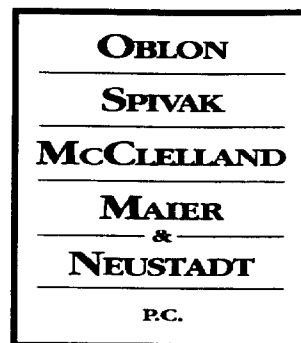
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ARLINGTON, VIRGINIA 22202



Docket No.: 204075US2X

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231



ATTORNEYS AT LAW

GREGORY J. MAIER
(703) 413-3000
GMAIER@OBLON.COM

ROBERT T. POUS
(703) 413-3000
RPOUS@OBLON.COM

RE: Application Serial No.: 09/794,069
Applicants: Hideaki TAKAHASHI, et al.
Filing Date: FEBRUARY 28, 2001
For: NO_x GAS DETECTING APPARATUS
Group Art Unit: 1743
Examiner: TUNG, T

SIR:

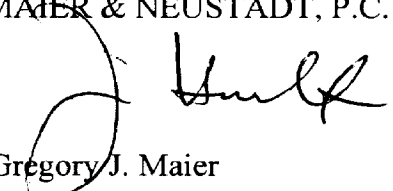
Attached hereto for filing are the following papers:

**SUBMISSION OF SUBSTITUTE ASSIGNMENT RECORDATION COVER SHEET
SUBSTITUTE ASSIGNMENT RECORDATION FORM PTO-1595;
EXECUTED ASSIGNMENT (COPY) 2 PAGES**

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Gregory J. Maier

Attorney of Record

Registration No. 25,599

Robert T. Pous

Registration No. 29,099

James D. Hamilton
Registration No. 28,421



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(703) 413-3000 (phone)

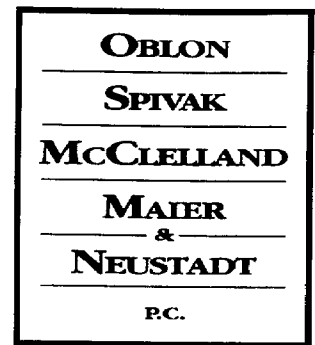
(703) 413-2220 (fax)

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Docket No.: 204075US2X

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WASHINGTON, D.C. 20231



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Respectfully submitted,

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Gregory J. Maier
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Registration No. 25,599
Robert T. Pous
Registration No. 29,099

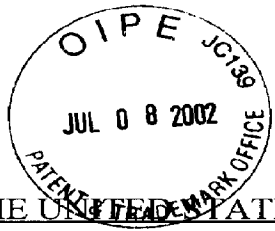


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James D. Hamilton
Registration No. 28,421



204075US2X

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :
Hideaki TAKAHASHI, et al. : EXAMINER: TUNG, T
SERIAL NO: 09/794,069 :
FILED: FEBRUARY 28, 2001 : GROUP ART UNIT: 1743
FOR: NO_x GAS DETECTING
APPARATUS

**SUBMISSION OF SUBSTITUTE ASSIGNMENT
RECORDATION COVER SHEET**

**BOX: ASSIGNMENTS
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231**

SIR:

Submitted herewith is a substitute Assignment Recordation Form PTO-1595 to be replaced with the Recordation Form 1595 filed May 13, 2002. The originally filed Recordation Form omitted through errors two named inventors in the above-identified application.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

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Registration No. 25,599
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RECORDED: 07/08/2002

**PATENT
REEL: 013063 FRAME: 0236**