

BOX ASSIGNMENTS

06-18-1998

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TO THE ASSISTANT COMMISSIONER OF PATENT AND TRADEMARKS OF PA
SIR: PLEASE RECORD THE ATTACHED ORIG.

100741861

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Shiro YAMASAKI
3. Masayoshi KOIKE
5. Hiroshi AMANO
7. Jiro MATSUO

2. Seiji NAGAI
4. Isamu AKASAKI
6. Isao YAMADA
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: (1) TOYODA GOSEI CO., LTD.; (2) Isamu AKASAKI; (3) Hiroshi AMANO; (4) Japan Science and Technology Corporation; (5) Isao YAMADA; (6) Jiro MAYSUO

ADDRESS: (1) 1, Nagahata, Ochiai, Haruhi-cho, Nishikasugai-gun, Aichi-ken, Japan; (2) 1-1-38-805, Joshi, Nishi-ku, Nagoya-shi, Aichi-ken, Japan; (3) 2-104, Yamanote, Meito-ku, Nagoya-shi, Aichi-ken, Japan; (4) 4-1-8, Honmachi, Kawaguchi-shi, Saitama-ken, Japan; (5) 6-11-9, Shinzaike Honcho, Himeji-shi, Hyogo-ken, Japan; (6) 144, Fushimi-godoshukusha, Higashibugyo-cho, Fushimi-ku, Kyoto-shi, Kyoto-fu, Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST

☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: December 18, 1997

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) December 18, 1997

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NOA. PAT. APP. NO.(S)
series code/serial

M#

1* INVENTOR
if not in item 1

B. PATENT NO(S)

M#

1* INVENTOR
if not in item 1

09/004,608 00000010 09004608
09/004,608 244670

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 NEW YORK AVENUE, N.W.
NINTH FLOOR, EAST TOWER
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

PMS 244670

F97-132-US

UNDER ORDER NO

31317

244670

MATTER NO.

CLIENT REF.

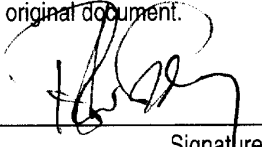
dup. sheet not required

CLIENT NO.

MATTER NO.

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.



Signature

Attorney: Peter W. Gowdey

Reg. No. 25872

Atty/Sec: PWG/rgf

TEL: (202) 861-3078

Date: June 9, 1998

FAX: (202) 822-0944

10. Total number of pages including this
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3

FILE WITH PTO RETURN RECEIPT (PAT-103A)

PATENT

PAT-114X 3/98

REEL: 9242 FRAME: 0638

Please return signed/recorded to:
Cushman Darby & Cushman, L.L.P.
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

For Inventions made outside USA
executed with or after application
Atty. Dkt. M244670 / F97-132-US
M# / Client Ref.

USA Patent Appln.
Sole or Joint

ASSIGNMENT

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

Insert Name(s)
of inventors

(1) Shiro YAMASAKI (4) Isamu AKASAKI
(2) Seiji NAGAI (5) Hiroshi AMANO
(3) Masayoshi KOIKE ☒ x box if continued on page 2

Insert Name(s)
of Assignee(s)
and Address (es)

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto: (1) TOYODA GOSEI CO., LTD.
1, Nagahata, Ochiai, Haruhi-cho, Nishikasugai-gun,
Aichi-ken, JAPAN
(2) Isamu AKASAKI
1-1-38-805, Joshi, Nishi-ku, Nagoya-shi, Aichi-ken, JAPAN
(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

*continued
page

Title of
Invention

METHOD FOR MANUFACTURING GROUP III NITRIDE COMPOUND
SEMICONDUCTOR LASER DIODES

NOTE: ->->
(Complete line
A, B and/or C)

(A) for which the undersigned executed an application for Letters Patent of the United States of America [] even date herewith
(B) [] on
(C) in U.S. Appln No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE: ->->

The undersigned hereby authorize(s) Cushman Darby & Cushman, L.L.P. of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
1)	<u>Shiro Yamasaki</u> Name: Shiro YAMASAKI	<u>Dec. 18, 1997</u>	<u>Abio Takuchi</u>
2)	<u>Seiji Nagai</u> Name: Seiji NAGAI	<u>Dec. 18, 1997</u>	<u>Abio Takuchi</u>

IF ADDITIONAL INVENTORS, check box ☒ and continue on page 2

Assignment

(Continued from page 1)

Listing of additional inventors

(6) <u>Isao YAMADA</u>	(11) _____
(7) <u>Jiro MATSUO</u>	(12) _____
(8) _____	(13) _____
(9) _____	(14) _____
(10) _____	(15) _____

Assignee (Continued from page 1)

(3) Hiroshi AMANO 2-104, Yamanote, Meito-ku, Nagoya-shi, Aichi-ken, JAPAN
(4) Japan Science and Technology Corporation
4-1-8, Honmachi, Kawaguchi-shi, Saitama-ken, JAPAN
(5) Isao YAMADA 6-11-9, Shinzaike Honcho, Himeji-shi, Hyogo-ken, JAPAN
and (6) Jiro MATSUO 144, Fushimi-godoshukusha, Higashibugyo-cho, Fushimi-ku,
Kyoto-shi, Kyoto-fu, JAPAN

Signatures of additional inventors/witnesses/dates signed

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
3) <u>Masayoshi Koike</u> Name: Masayoshi KOIKE	<u>Dec. 18, 1997</u>	<u>Osio Tabuchi</u>
4) <u>Isamu Akasaki</u> Name: Isamu AKASAKI	<u>Dec. 18, 1997</u>	<u>Hiromitsu Sakai</u>
5) <u>Hiroshi Amano</u> Name: Hiroshi AMANO	<u>Dec. 18, 1997</u>	<u>Hiromitsu Sakai</u>
6) <u>Isao Yamada</u> Name: Isao YAMADA	<u>Dec 18, 1997</u>	<u>Tsuyoshi</u>
7) <u>Jiro Matsuo</u> Name: Jiro MATSUO	<u>12/18/97</u>	<u>T. Yamada</u>
8) _____ Name: _____	_____	_____
9) _____ Name: _____	_____	_____
10) _____ Name: _____	_____	_____
11) _____ Name: _____	_____	_____