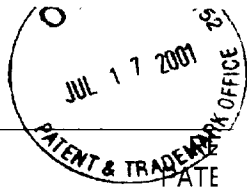


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101802002

TO THE ASSISTANT COMMISSIONER OF PATENT & TRADEMARKS: PLEASE RECORD THE ATTACHED ORIGINAL

1. NAME OF CONVEYING PARTY(IES) (ASSIGNEE)
1. Research Development Corporation of Japan

3.
5.
7.
7-17-01

2.
4.
6.
8.

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

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

NAME: Japan Science and Technology Corporation

ADDRESS: 4-1-8, Honmachi, Kawaguchi-shi, Saitama-ken, 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
☐ ORIGINAL ☐ FACSIMILE/PHOTOCOPY
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: October 1, 1996

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE:** IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
			5,278,433	258594	MANABE et al.

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

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard

McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 0 + PATS 1 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

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MATTER NO. CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
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dup. sheet not required CLIENT NO. MATTER NO.

9.

Gregory P. Brummett

Signature

Attorney: Gregory P. Brummett

Reg. No. 41646

Atty/Sec: GPB/csg

TEL: (703) 905-2024

Date: July 17, 2001

FAX: (703) 905-2500

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

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FILE WITH PTO RETURN RECEIPT (PAT-103A)

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PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST (CON'T):

2) NAME: Kabushiki Kaisha Toyota Chuo Kenkusho

ADDRESS: 41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, Japan

3) NAME: Nagoya University

ADDRESS: Furo-cho, Chikusa-ku, Nagoya-shi, Aichi-ken, Japan

4) NAME: Research Development Corporation of Japan

ADDRESS: 5-2, Nagata-cho, 2-chome, Chiyada-ku, Tokyo, Japan

USA Patent Appln.
Sole or Joint

CDC-114
9/87

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 Inventor(s)

- | | |
|---------------------|-----------------------|
| 1) Katsuhide Manabe | 5) Norikatsu Koide |
| 2) Akira Mabuchi | 6) Shiro Yamazaki |
| 3) Hisaki Kato | 7) Masafumi Hashimoto |
| 4) Michinari Sassa | 8) Isamu Akasaki |

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:

Insert Name
of Assignee
and Address

- (1) TOYODA GOSEI CO., LTD. Representative Director: Zenjiro Hase
1, Nagahata, Ochiai, Haruhi-cho, Nishikasugai-gun, Aichi-ken, Japan
- (2) KABUSHIKI KAISHA TOYOTA CHUO KENKUSHO President: Hidetake Morimoto
41-1, Aza Yokomichi, Oaza Nagakute, Nagakute-cho, Aichi-gun, Aichi-ken, Japan
- (3) NAGOYA UNIVERSITY President: Satio Hayakawa
Furo-cho, Chikusa-ku, Nagoya-shi, Aichi-ken, Japan
- (4) RESEARCH DEVELOPMENT CORPORATION OF JAPAN President: Nobuhisa Akabane
5-2, Nagata-cho, 2-chome, Chiyada-ku, Tokyo, 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 and to the invention known as

Title of
Invention

LIGHT-EMITTING SEMICONDUCTOR DEVICE USING GALLIUM NITRIDE GROUP COMPOUND

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents; 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.

Please sign
concurrently

with Declaration

Signed on the date(s) indicated beside our signatures.

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESS(ES)</u>
1)	<u>Katsuhide Manabe</u> Name: Katsuhide Manabe	April 10, 1991	<u>J. Kasuya</u>
2)	<u>Akira Mabuchi</u> Name: Akira Mabuchi	April 10, 1991	<u>J. Kasuya</u>
3)	<u>Hisaki Kato</u> Name: Hisaki Kato	April 10, 1991	<u>J. Kasuya</u>
4)	<u>Michinari Sassa</u> Name: Michinari Sassa	April 10, 1991	<u>J. Kasuya</u>
5)	<u>Norikatsu Koide</u> Name: Norikatsu Koide	April 10, 1991	<u>J. Kasuya</u>
6)	<u>Shiro Yamazaki</u> Name: Shiro Yamazaki	April 10, 1991	<u>J. Kasuya</u>
7)	<u>Masafumi Hashimoto</u> Name: Masafumi Hashimoto	April 10, 1991	<u>M. Hashimoto</u>
8)	<u>Isamu Akasaki</u> Name: Isamu Akasaki	April 10, 1991	<u>Id. Hashimoto</u>

PATENT

RECORDED: 07/17/2001

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