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to the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):

Takuya HAMADA
Kazunori KITAGAWA
Hitoshi TOKI

2. Name and Address of Receiving Party(ies):

Name: Futaba Denshi Kogyo Kabushiki
Kaisha

Street Address: 629 Oshiba, Mobara

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3. Nature of Conveyance:

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

Execution Date: August 31, 2001

☐ Additional name(s) and address(es) attached.

4. (A) Patent Application Number(s):

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4. (B) Patent Number(s):

09/954155

If this document is being filed together with a new
application, the execution date of the application is:August 31,
2001☐ Additional Numbers Attached5. Name and Address of Party to whom Correspondence Concerning this
Document Should be Mailed:

Name: Eugene Mar

23364
PATENT TRADEMARK OFFICEBacon & Thomas, PLLC
625 Slaters Lane Fourth Floor
Alexandria, VA 22314Total 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: 02-0200

ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT

9. Statement and Signature:

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true
copy of the original document.*

Eugene Mar

Name of Person Signing

Signature

September 18, 2001

Date

Total number of pages including cover sheet, attachments and document: 3

PATENT
REEL: 12176 FRAME: 0756

ASSIGNMENT

WHEREAS, I (we), **Takuya HAMADA, Kazunori KITAGAWA and Hitoshi TOKI**
 whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain
 new and useful improvements in **PHOSPHOR AND FLUORESCENT DISPLAY DEVICE**
 (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was
☒ executed on even date herewith
☐ executed on:
☐ filed on: Serial No.:
☐ established by PCT International Patent Application No.: filed:
 designating the United States of America

WHEREAS, **Futaba Denshi Kogyo Kabushiki Kaisha**
 whose post office address is **629 Oshiba, Mobara, Chiba, Japan**
 hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in
 the united States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we),
 ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest
 in and to said INVENTION and application throughout the United States of America, including any and all Letters
 Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with
 the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for
 said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to
 said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at
 ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and
 information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further
 assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the
 prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this
 instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors,
 administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any
 and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and
 to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal
 representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully
 and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this
 document needed to effect its recordal in the U.S. Patent and Trademark Office.

ASSIGNMENT

Page: 2

Assignor Name Takuya HAMADA	Address 629 Oshiba, Mobara, Chiba, Japan
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Print/Type Name	Print/Type Name
Signature	Signature

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Signature	Signature

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Date <u>31 / 08 / 2001</u>	Signature <u>Hitoshi Toki</u>
Witness (optional)	Witness (optional)
Print/Type Name	Print/Type Name
Signature	Signature

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