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Form PTO-1592 (modified)

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

1. Name of conveying party or parties:

1. Wataru Utsumi
2. Hiroyuki Saitoh
3. Katsutoshi Aoki

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

2. Name and address of receiving party or parties:

Japan Atomic Energy Research Institute
14-1, Suehiro-cho,
Kashiwa-shi, Chiba-ken
JAPAN

17548 U.S. PTO
10/892131

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3. Nature of conveyance:

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

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10892131

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: July 6, 2004

A. Patent Application Number(s):

B. Patent Number(s):

Additional number(s) attached? ☐ Yes ☒ No

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

William J. Fisher
Banner & Witcoff, Ltd.
1001 G Street, N.W., 11th Floor
Washington, D.C. 20001-4597

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☐ Enclosed
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8. Deposit Account No.:

19-0733

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*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.*William J. Fisher, Reg. No. 32,133

Name of Person Signing

William J. Fisher

Signature

July 16, 2004

Date

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Total number of pages including cover sheet: 2

PATENT
REEL: 015582 FRAME: 0465

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Wataru UTSUMI, Hiroyuki SAITOH and Katsutoshi AOKI, subject(s) of Japan, by JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, a corporation organized under the laws of Japan, located at 14-1, Suehiro-cho, Kashiwa-shi, Chiba-ken, Japan, Japan, receipt of which is hereby acknowledged, the said Wataru UTSUMI, Hiroyuki SAITOH and Katsutoshi AOKI

hereby sell(s) and assign(s) to said JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, and their successors and assigns, all their (his) right(s), title and interest in and to a Letters Patent for the United States of America, in and for the invention of PROCESS FOR PRODUCING SINGLE-CRYSTAL GALLIUM NITRIDE

invented by us (me) and described in the application for United States Letters Patent being filed concurrently herewith or executed separately herefrom, and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held and enjoyed by said JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, their successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, a fully and entirely as the same would have been held and enjoyed by us (me) if this assignment and sale had not been made.

AND WE (I) hereby agree to sign and execute any further documents or instruments which may be necessary, lawful and proper in the prosecution of said above named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue application, or in any amendment, extension or interference proceeding, or otherwise to secure the title thereto said assignee.

AND WE (I) hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said JAPAN ATOMIC ENERGY RESEARCH INSTITUTE.

July 6, 2004
Date

W. Utsumi
* Wataru UTSUMI

July 6, 2004
Date

H. Saitoh
* Hiroyuki SAITOH

July 6, 2004
Date

Katsutoshi Aoki
* Katsutoshi AOKI

Date

_____*

WITNESSES:

H. Kaneko

Y. Katagawa