



07-25-2005



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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 Masaki KATAGIRI

Additional Names of conveying party or parties 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

Additional Name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: June 16, 2005

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 Number(s):

11/104,655

Additional Numbers attached? ☐ Yes ☒ No

B. Patent Number(s):

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., Suite 1100

Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

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

- ☐ Enclosed
☒ Authorized to be charged to deposit account*
☒ Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment

8. Deposit Account No.:

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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.

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

Name of Person Signing

Signature

July 18, 2005

Date

Total Number of Pages including Cover Sheet: 2

07/22/2005 ECOOPER 00000069 190733 11104655

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PATENT
REEL: 016762 FRAME: 0842

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Masaki KATAGIRI, 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 Masaki KATAGIRI

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 PARTICLE DETECTOR AND NEUTRON DETECTOR THAT USE

ZINC SULFIDE PHOSPHORS

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.

June 16, 2005

Date

Masaki Katagiri

* Masaki KATAGIRI

Date

*

Date

*

Date

*

WITNESSES:

Chikanari Sakurai

Takeshiko Ohtsuka

SOLE DECLARATION FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my names;

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled PARTICLE DETECTOR AND NEUTRON DETECTOR THAT USE ZINC SULFIDE
PHOSPHORS, the specification of which

- ☐ is attached hereto.
☒ was filed on 13/4/2005 as Application Serial Number 11/104,655 and was amended on _____ (if applicable).
☐ was filed under the Patent Cooperation Treaty (PCT) and accorded International Application No. _____, filed _____, and amended on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application No.	Date of Filing (day month year)	Date of Issue (day month year)	Priority Claimed Under 35 U.S.C. §119
Japan	120790/2004	15/4/2004		Yes

Prior United States Provisional Application(s)

I hereby claim priority benefits under Title 35, United States Code, §119(e)(1) of any U.S. provisional application listed below:

U.S. Provisional Application No.	Date of Filing (day month year)	Priority Claimed Under 35 U.S.C. §119(e)(1)

Prior United States Application(s)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing (Day, Month, Year)	Status — Patented, Pending, Abandoned

Power of Attorney

And I hereby appoint, both jointly and severally, as my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the practitioners at:

Customer Number: 22907 (WDC)

Please address all correspondence and telephone communications to the address and telephone number for this Customer Number.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature Masaki Katagiri Date June 16, 2005
Full Name of Inventor KATAGIRI Masaki
Family Name First Given Name Second Given Name
Residence Naka-gun, Ibaraki-ken, Japan Citizenship Japanese
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