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OMB No. 0651-0027 (exp. 6/30/2008)	United States Patent and Trademark Offi
	NTS ONLY S-134,963
To the Director of the U.S. Patent and Trademark Office: F	Please record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Radiation Monitoring Devices, Inc.	Name: United States Department of Energy
	Internal Address:
Additional name(s) of conveying party(lee) attached? Yes 3. Nature of conveyance/Execution Date(s): Execution Date(s) April 2, 2013	] <sub>N₀</sub> Street Address: <u>1000 Independence Ave., S.W</u>
Assignment Merger Security Agreement Change of Name	e City: Washington
Joint Research Agreement	State: D.C.
Government Interest Assignment	Country: <u>USA</u> Zip: <u>20585</u>
Other	Additional name(s) & address(es) attached? 🗌 Yes 🗹 No
Serial No. 11/938,176	B. Patent No.(s)
Additional number	rs attached? Yes ✔No 6. Total number of applications and patents
Additional number 5. Name and address to whom correspondence concerning document should be mailed:	rs attached? Yes ✓No 6. Total number of applications and patents involved:_1
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name:Michael J. Dobbs	rs attached? Yes ✓No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed:	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name:Michael J. Dobbs	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name:Michael J. Dobbs Internal Address:U. S. Dept. of Energy, IPLD	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name:Michael J. Dobbs Internal Address:U. S. Dept. of Energy, IPLD	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael J. Dobbs Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41) \$       1         Authorized to be charged by credit card       1         Authorized to be charged by credit card       1         Enclosed       Image: None required (government interest not affecting title         8. Payment Information       a. Credit Card
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael J. Dobbs Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: ILZip:60439	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael J. Dobbs Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41) \$       1         Authorized to be charged by credit card       1         Authorized to be charged by credit card       1         Authorized to be charged to deposit account       1         Enclosed       Image: None required (government interest not affecting title         8. Payment Information       a. Credit Card         Last 4 Numbers
Additional number         5. Name and address to whom correspondence         concerning document should be mailed:         Name: Michael J. Dobbs         Internal Address: U. S. Dept. of Energy, IPLD         Street Address: 9800 S. Cass Ave         City: Argonne         State: IL       Zip:60439         Phone Number: 630-252-2164	rs attached?       Yes       Vo         6. Total number of applications and patents involved:_1
Additional number         5. Name and address to whom correspondence         concerning document should be mailed:         Name: Michael J. Dobbs         Internal Address: U. S. Dept. of Energy, IPLD         Street Address: 9800 S. Cass Ave         City: Argonne         State: IL       Zip:60439         Phone Number: 630-252-2164         Fax Number: 630-252-2779	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41) \$       1         Authorized to be charged by credit card       1         Authorized to be charged by credit card       1         Authorized to be charged to deposit account       1         Enclosed       Image: None required (government interest not affecting title         8. Payment Information       a. Credit Card         Last 4 Numbers
Additional number 5. Name and address to whom correspondence concerning document should be mailed: Name: Michael J. Dobbs Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: IL Zip:60439 Phone Number: 630-252-2164 Fax Number: 630-252-2779 Email Address: Confirmatory.License@ch.doe.gov	rs attached?       Yes       No         6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41) \$       1         Authorized to be charged by credit card       1         Authorized to be charged by credit card       1         Authorized to be charged to deposit account       1         Enclosed       Image: None required (government interest not affecting title         8. Payment Information       a. Credit Card         Last 4 Numbers

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REEL: 031946 FRAME: 0620

## **CONFIRMATORY LICENSE**

Title of Invention: Cesium and Lithium-Containing Quaternary Compound Scintillators

Inventor(s): Kanai S. Shah, William M. Higgins, Edgar V. Van Loef, Jaroslaw Glodo

Patent Application Serial No: 11/938,176

Patent Number: 7,655,919

Issue Date: February 2, 2010

Filing Date November 9, 2007

Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable): Radiation Monitoring Devices, Inc.

**DOE Contract No.** (*i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable*); DE-FG02-07ER84753

## **DOE Case No.:**

**Contractor Docket No.:** 

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the aboveidentified patent application,

Signed this 02 day of April, 2013

Radiation Monitoring Devices, Inc. Contractor Name (Typed)

Official's Name and Title (Typed) Joanne N. Gladstone, Vice President

44 Hunt Street, Newton, MA 02472-4699 Business Address

**RECORDED: 12/06/2013**