U.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2006) United States Patent and Trademark Office RECORDATION FORM COVER SHEET S-143,926 CAR PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below, 2. Name and address of receiving party(les) 1. Name of conveying party(les) Name: United States Department of Energy UChicago Argonne, LLC Internal Address: Additional name(s) of conveying party(ies) attached? Tes 🗹 No Street Address: 1000 Independence Ave., S.W 3. Nature of conveyance/Execution Date(s): Execution Date(s) January 23, 2017 Merger Assignment City: Washington Change of Name ___ Security Agreement Joint Research Agreement Government Interest Assignment Country: USA Zip: 20585 Executive Order 9424, Confirmatory License Additional name(s) & addres<u>s(es)</u> attached? Yes 🗹 No Other 4. Application or patent number(s): This document is being filed together with a new application. B. Patent No.(s) A. Patent Application No.(s) Serial No. 15/243,002 Additional numbers attached? Yes Vo 5. Name and address to whom correspondence 6. Total number of applications and patents Involved: 1 concerning document should be mailed: Name: Michael J. Dobbs 7. Total fee (37 CFR 1.21(h) & 3.41) \$____ Internal Address: U. S. Dept. of Energy, IPLD Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed Street Address: 9800 S. Cass Ave ✓ None required (government interest not affecting title) 8. Payment Information City: Argonne ____ a. Credit Card Last 4 Numbers ______ Zip:60439 State: IL Expiration Date _____ Phone Number: 630-252-2164_ b. Deposit Account Number _____ Fax Number: 630-252-2779 Authorized User Name ___ Email Address: Confirmatory.License@ecience.doe.gov 9. Signature: Signature Total number of pages including cover Timothy Harney #38,174 sheet, attachments, and documents: Name of Person Signing

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REEL: 042115 FRAME: 0329

CONFIRMATORY LICENSE

Title of Invention: PROCESS FOR THE SEPARATION AND PURIFICATION OF SCANDIUM MEDICAL ISOTOPES

SCANDIUM MEDICAL ISOTOPES

Inventors: Michael A., Brown, David Rotsch, Jerry A., Nolen, Jr.

Patent Application Serial No.: 15/243,002 Filing Date: August 22, 2016

Patent Number: Issue Date:

Contractor: UChicago Argonne, LLC DOE Contract No.: DE-AC02-06CH11357

DOE Case No.: S-143,926 ANL Case No.: ANL-IN-16-039

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Signed this 23rd day of January, 2017

Contractor Name: UChicago Argonne, LLC

Mark D. Hilliard

By:

Chief Patent Counsel

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RECORDED: 03/27/2017