503882833 06/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3929482

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
WISCONSIN ALUMNI RESEARCH FOUNDATION	12/07/2012

RECEIVING PARTY DATA

Name:	U.S. DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE., SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13692212

CORRESPONDENCE DATA

Fax Number: (202)586-7127

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2025862802

Email: brenda.banks@hq.doe.gov

Correspondent Name: BRENDA K. BANKS

Address Line 1: 1000 INDEPENDENCE AVE. Address Line 4: WASHINGTON, D.C. 20585

NAME OF SUBMITTER: BRENDA K. BANKS	
SIGNATURE:	/Brenda K. Banks/
DATE SIGNED:	06/22/2016

Total Attachments: 1

source=CONFIRMATORY LICENSE#page1.tif

PATENT 503882833 REEL: 039113 FRAME: 0645

License to the United States Government

Sign and Fax this to (301) 480-0272

Invention Title: DRY PHASE REACTOR FOR GENERATING MEDICAL ISOTOPES

Inventor(s): Thomas (Rock) Mackie, Thad Heltemes

U.S. Filing/Issue Date: December 3, 2012

Patent or Application Serial No.: 13/692212

Grant/Contract Number(s): US Department of Energy DE-FOA-0000323

Foreign Applications filed/intended in (countries):

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14**, **FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

- 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
- 2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 7 December, 2012,

By Michael Falk

(Name of Grantee/Contractor Official) (Signature)

Michel Julk (Signature)

Title General Counsel

For <u>Wisconsin Alumni Research Foundation</u> (Grantee/Contractor Organization)

At <u>614 Walnut St, Madison, WI 53726</u> (Business Address)

WARF Ref: P120306US01 - Mackie

RECORDED: 06/22/2016

PATENT REEL: 039113 FRAME: 0646