700515268 05/02/2014 \* USPTO\_LIC Ø 001/002

.

,

•

OMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Off	
	RECORDATION FORM COVER SHEET S-135,221	
	Please record the attached documents or the new address(es) below.	
1. Name of conveying party(les)	2. Name and address of receiving party(les)	
UNIVERSITY OF CENTRAL FLORIDA 12201 RESEARCH PARKWAY, SUITE 501 ORLANDO, FL 32826	Name: United States Department of Energy	
Additional name(s) of conveying party(les) attached? Yes 3. Nature of conveyance/Execution Date(s): Execution Date(s) 09/18/2013	No Street Address: <u>1000 Independence Ave., S.V</u>	
Assignment Merger	City: Washington	
Joint Research Agreement	State: D.C.	
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: USAZip:20585	
Other	Additional name(s) & address(es) attached? Yes 🗹 No	
13/594,163 Additional numbe		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents     involved:      7. Total fee (37 CFR 1.21(h) & 3.41) \$      Authorized to be charged by credit card	
5. Name and address to whom correspondence concerning document should be mailed: Name:James B. Potts Internal Address: <u>U. S. Dept. of Energy, IPLD</u>	6. Total number of applications and patents involved:      7. Total fee (37 CFR 1.21(h) & 3.41) \$      Authorized to be charged by credit card     Authorized to be charged to deposit account     Enclosed	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave	6. Total number of applications and patents involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$         Authorized to be charged by credit card         Authorized to be charged to deposit account         Enclosed         ✓ None required (government interest not affecting title         8. Payment Information	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed ✓ None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: ILZip:60439	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed ✓ None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: ILZip:60439 Phone Number: 630-252-2166	6. Total number of applications and patents involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$         Authorized to be charged by credit card         Authorized to be charged to deposit account         Enclosed         ✓ None required (government interest not affecting title         8. Payment Information         a. Credit Card         Last 4 Numbers         Expiration Date         b. Deposit Account Number	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne State: IL Zip:60439 Phone Number: 630-252-2166 Fax Number: 630-252-2779	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed ✓ None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	
5. Name and address to whom correspondence concerning document should be mailed: Name: James B. Potts Internal Address: U. S. Dept. of Energy, IPLD Street Address: 9800 S. Cass Ave City: Argonne	6. Total number of applications and patents involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$         Authorized to be charged by credit card         Authorized to be charged to deposit account         Enclosed         ✓ None required (government interest not affecting title         8. Payment Information         a. Credit Card         Last 4 Numbers         Last 4 Numbers         Last 4 Numbers         Last 4 Numbers	

700515268

REEL: 032817 FRAME: 0202

## License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Using Chemochromic Membranes for Fuel Call Membrane Defect Detection

Inventor(s): Mohajeri Mohajeri

U.S. Filing/Issue Date: 08/24/2012

Patent or Application Serial No.: 13/594, 163

Grant/Contract Number(s): DE-FC36-04G014225

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:

- 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 18th day of September, 20 13	
By Dr. Thomas O'Neal	-
(Institutional Business Official) (Signature)	
Tille Associate Vice President	
For UNIVERSITY OF CENTRAL, FLORIDA	
(Grantee/Contractor Organization)	***
At 12201 Research Parkway, Suite 501 Orlando, FL 32826 US	າກ ແຜສໃຫຍ່ໄສ <del>ານ. ເພື່ອຮ</del> ຸດດີ
(Business Address)	L2110 (3)
i	and let by and
	4 (Miller 15 i 1

RECORDED: 05/02/2014

11