

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

**CAR**

# RECORDATION FORM COVER SHEET PATENTS ONLY

**S-131,325**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Harvard University

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**Execution Date(s) September 24, 2013

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☒ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: United States Department of Energy

Internal Address: \_\_\_\_\_

Street Address: 1000 Independence Ave., S.W.City: WashingtonState: D.C.Country: USA Zip: 20585

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 13/954,351

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**Name: Michael J. DobbsInternal Address: U. S. Dept. of Energy, IPLDStreet Address: 9800 S. Cass Ave.City: ArgonneState: IL Zip: 60439Phone Number: 630-252-2164Fax Number: 630-252-2779Email Address: Confirmatory.License@ch.doe.gov**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 \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

John D. Cravero  
 Signature

2/4/2014

Date

John D. Cravero #71,245

Name of Person Signing

Total number of pages including cover  
 sheet, attachments, and documents:

**2**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

**PATENT**

HW 4601

**License to the United States Government**

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

Invention Title: Manipulating Replisome Dynamics to Enhance Lambda Red-Mediated Multiplex  
Genome Engineering

Inventor(s): George M. Church, Marc J. Lajoie, Christopher Gregg, Joshua A. Mosberg

U.S. Filing/Issue Date: 7/30/13

Patent or Application Serial No.: 13/954,351

Grant/Contract Number(s): HG005550, DE-FG02-02ER63445

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 24<sup>th</sup> day of September, 2013.

By Ryan Driscoll  
(Institutional Business Official)

Ryan Driscoll  
(Signature)

Title Patent Coordinator

For HARVARD UNIVERSITY  
(Grantee/Contractor Organization)

At 1350 Massachusetts Ave. Cambridge, MA 02138 US  
(Business Address)