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**S-137,993**

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**2. Name and address of receiving party(ies)**

Name: United States Department of Energy

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

Street Address: 1000 Independence Ave., S.W.

City: Washington

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**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. 11/782,288

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Michael J. Dobbs

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**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_**

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John D. Cravero  
Signature

12/29/2014  
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John D. Cravero #71.245

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**2**

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Invention Title: Synthesis of Chlorins and Bacteriochlorins Equipped for Self-Assembly into Light-Harvesting ArchitecturesInventor(s): Jonathan S Lindsey, Chinnasamy Muthiah, Dazhong FanU.S. Issue Date: 12/15/2009Patent or Application Serial No.: 11/782,288Grant/Contract Number(s): DE-EG02-96ER14632

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:

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Signed this 3 day of September, 2014.By Kelly B. Sexton, Ph.D.  
(Name of Grantee/Contractor Official)

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Title DirectorFor Office of Technology Transfer / North Carolina State University  
(Grantee/Contractor Organization)At 1021 Main Campus Drive, Campus Box 8210, Raleigh, NC 27695  
(Business Address)