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| 5. Name and address to whom correspondence concerning document should be malled:  Name: Mark P. Dvorscak  Internal Address: U. S. Dept. of Energy, IPLD    |   | 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 |  |
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PATENT

REEL: 029491 FRAME: 0539

## LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title:

Enhancing the efficiency of dye-sensitized solar cells using

plasmonic back reflectors fabricated by nanoimprint

lithography

Inventors:

Yi Cui, I-Kang Ding, Michael D McGehee, and

Jia Zhu

Patent or Application Serial No: 13/306,731

U.S. Filing / Issue Date:

11/29/2011

Agency:

Department of Energy

Grant / Contract:

DOE DE-FG36-08GOI8004

Grantee / Contractor File:

S10-299

Foreign Applications:

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 of 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 States Government. This document is confirmatory of:

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

Signed this 11th day of January, 2012

Katharine Ku, Director, Office of Technology Licensing

For: The Board of Trustees of the Leland Stanford Junior University

At: Stanford University, Office of Technology Licensing, 1705 El Camino Real, Palo Alto, CA

94306-1106

**PATENT** REEL: 029491 FRAME: 0540

RECORDED: 12/13/2012