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Name: National Science Foundation

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Street Address: 4201 Wilson Boulevard

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

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 60/144,136

09/616,154 &amp; 09/038,377

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robin Clay Fritsch

Internal Address: Office of the General Counsel

Suite 1265

Street Address: 4201 Wilson Boulevard

City: Arlington State: VA Zip: 22230

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 0.00

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PATENT

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**LICENSE TO THE UNITED STATES GOVERNMENT**

**Invention Title:** Metal Nanoshells for Biosensing Applications

**Inventor(s):** : Nancy J. (Naomi) Halas, Jennifer L. West, Scott R. Shersen, Richard Averitt,  
and Steven J. Oldenburg

**Patent or Application Serial No.:** US Provisional 60/144,136 File Date 07/16/1999

US Utility-Conversion of the Provisional 09/616,154 File Date 07/14/2000

which is also a Continuation in Part of a co-pending US Application 09/038,377 which  
was funded by another agency (ONR).

PCT/US00/19735 File Date 07/14/2000

**U.S. Filing/Issue Date:** 07/14/2000

**Grant/Contract Identification Number(s):** ECS-9821049

**Foreign Applications filed/intended in (countries):** To be determined

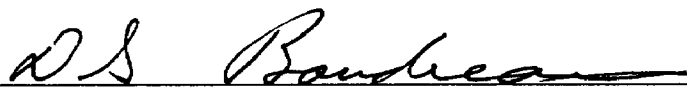
The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14 or FAR 52.227-11**, which are included among the terms of the above-identified grant/contract award from the United States Government. This document is confirmatory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

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

Signed this 5th day of March, 2001.

By   
Daryl S. Boudreaux, Director, Office of Technology Transfer

For: William M. Rice University  
(Organization)

At : Office of Technology Transfer MS 705  
Rice University  
P O BOX 1892  
HOUSTON TX 77251-1892