

FORM PTO-1619A

Expires 06/30/99  
OMB 0651-0027U.S. Department of Commerce  
Patent and Trademark Office  
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Month	Day	Year
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Name (line 1) California, University of

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Name (line 1) U.S. Department of Energy

Name (line 2)

Address (line 1) P.O. Box 808 (L-376)

Address (line 2)

Address (line 3) Livermore

CA

State/Country

94550

Zip Code

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REEL: 014759 FRAME: 0045

FORM PTO-1619B  
Expires 06/30/99  
OMB 0651-0027

Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Correspondent Name and Address

Area Code and Telephone Number

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Address (line 2) Lawrence Livermore National Laboratory

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Address (line 4) Livermore, CA 94550

## Pages

Enter the total number of pages of the attached conveyance document  
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## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

10/155759

If this document is being filed together with a new Patent Application, enter the date the patent application  
was

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

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## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 0.00

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Janet L. Rego

Name of Person Signing

Signature

Date

Mr. William C. Daubenspeck, Patent Attorney  
Department of Energy, National Nuclear Security Administration  
Office of Chief Counsel, Intellectual Property Law Division  
Livermore Office, P.O. Box 808, L-376  
Livermore, CA 94550

PATENT

REEL: 014759 FRAME: 0046

*Patent Application Filed in  
the Name of LBNL  
Electable (1/97)*

**CONFIRMATORY LICENSE**

**Title: Semiconductor Nanocrystal Probes  
for Biological Applications and  
Process for Making and Using Such  
Probes**

**DOE Docket No.: S-99,668  
U.S. Patent Application: S.N.: 10/155,759  
Filing Date: May 24, 2002**

**Inventor(s): Shimon Weiss et al.  
Contractor Docket No.: IB-1330F  
Contract Number: DE-AC03-76SF00098  
Contractor: Regents of the University of  
California**

**Foreign patent applications filed or intended to be filed at contractor's expense in (countries):**

**The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated April 2, 1999.**

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

**Signed on behalf of: University of California, Lawrence Berkeley National Laboratory**

**(Contractor)**

**Witness: Sharon Kay Reineman By: David J. Aston 5-20-02**  
**(Signature) (Contractor Official's Signature) (Date)**

**Sharon Kay Reineman, Admin. Asst.**  
**(Name and Title)**

**David J. Aston, Chief Patent Counsel**  
**(Print/Type Contractor Official's Name and Title)**

**Patent Department  
Lawrence Berkeley Laboratory  
One Cyclotron Road  
Mail Stop 90B 0104  
Berkeley, CA 94720-8127**

**PATENT**

**RECORDED: 06/18/2004**

**REEL: 014759 FRAME: 0047**