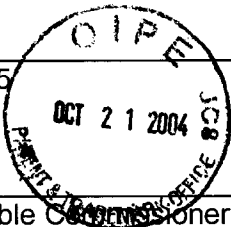


S-100,667

10-27-2004

Form PTO1595

(Rev. 10/02)



RECC



102868345

U.S. Department of Commerce
Patent and Trademark Office

10/21/04

To the Honorable Commissioner for Patents. Please record the attached original documents or copy thereof.

Name of conveying party(ies):

Judith L. Driscoll
Stephen R. Foltyn

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

2. Name and address of receiving party:

Name: The Regents of the University of California

Address:

Los Alamos National Laboratory

LC/IP, MS A187

Los Alamos, NM 87545

Additional name(s) address(es) attached

Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: August 11, 2004

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) 10/900,639

B. Patent No.(s)

Additional numbers attached Yes No

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

Name: Bruce H. Cottrell

Registration No.: 30,620

Address: Los Alamos National Laboratory
LC/IP, MS A187
Los Alamos, NM 87545

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):

\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number 12-2150

10/27/2004 DBYRNE 00000035 122150 10900639

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bruce H. Cottrell

Bruce H Cottrell

Oct 18, 2004

Name of person signing

Signature

Date

Total number of pages: 3

OMB No. 0651-0027 (exp. 6/30/05)

Fax documents to be recorded with required cover sheet to: (703) 306-5995

OR

Mail documents to be recorded with required cover sheet to: Commissioner for Patents
Mail Stop Assignments
PO Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 015916 FRAME: 0223

ASSIGNMENT

DOE S-100,667

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Judith L. Driscoll 2. Stephen R. Foltyn

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, Fifth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention titled:

ENHANCED PINNING IN YBCO FILMS WITH BaZrO₃ NANOPARTICLES

and which is found in

- (a) U.S. patent application executed on _____, entitled as above and listing the above-named person(s) as inventor(s)
- (b) U.S. application Serial No. _____, filed on _____.
- (c) U.S. Patent No. _____, issued _____.
- (d) U.S. provisional application filed on _____, entitled as above and listing the above-named person(s) as inventor(s)

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

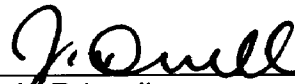
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

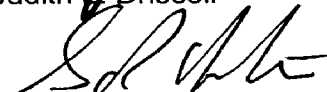
11th day of August, 2004

11th day of August, 2004

Signature of Inventor(s)



Judith M. Driscoll



Stephen R. Foltyn