

10-31-2001  
101890947

10-26-01

Attorney Docket No.: 960409

U.S. DEPARTMENT OF COMMERCE  
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Submission type:  New  
 Resubmission (Non-Recordation)  
Document ID #: \_\_\_\_\_  
 Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_  
 Corrective Document  
Reel # 012002 Frame # 0554

Conveyance type:  Assignment  Security Agreement  
 License  Change of name  
 Merger

Conveying Party(ies):	(Last, First, Middle Initial)	Execution Date
First party	Name: Fujitsu Limited	June 11, 2001
Second party	Name: Sharp Kabushiki Kaisha	June 11, 2001
Third party	Name: NEC Corporation	June 11, 2001
Fourth party	Name: International Superconductivity Technology Center	June 11, 2001

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

Receiving Party (ies):  
First party Name: **NEW ENERGY AND INDUSTRIAL TECHNOLOGY** 50%  
**DEVELOPMENT ORGANIZATION**  
Address: Sunshine 60 Building, 1-1 Higashi-Ikebukuro, 3-chome,  
Toshima-ku, Tokyo 170-6028 Japan

Additional name(s) & address(es) attached? Yes  No

Domestic Representative Name and Address (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

For Office Use Only

10/30/2001 6TOM11 00000077 5877122

01 FC:581

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PATENT  
REEL: 012287 FRAME: 0135

**Correspondent Name and Address**

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

Telephone: 202-659-2930

**Pages** Enter the total number of pages of the attached conveyance document: 7  
(including any attachments, but not counting cover sheets)

**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes  No

A. Patent Application No.(s)

B. Patent No.(s)

5,877,122

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: \_\_\_\_\_  
(Do not recite both application and patent numbers.)

**Patent Cooperation Treaty (PCT)**

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

PCT \_\_\_\_\_

PCT \_\_\_\_\_

PCT \_\_\_\_\_

**Number of Properties** Enter the total number of properties involved: 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00

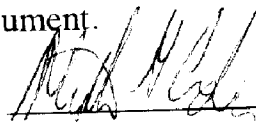
Enclosed

Authorized to be charged to Deposit Account No.: **01-2340**

**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.

Stephen G. Adrian  
Name of Person Signing

  
Signature

October 26, 2001  
Date

32,878  
Registration No.

Rev. 11/00

SGA/jaz

Attorney Docket No. 960409

1-2301

RECORDATION FC  
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07-30-2001



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Document ID #: \_\_\_\_\_  
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**Conveyance type:**  Assignment  Security Agreement  
 License  Change of name  
 Merger  Other

**Conveying Party(ies):** Execution Date: June 11, 2001

First party Name: Fujitsu Limited

Second party Name: Sharp Kabushiki Kaisha

Third party Name: NEC Corporation

Fourth party Name: International Superconductivity Technology Center

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

**Receiving Party (ies):**  
First party Name: New Energy and Industrial Technology Development  
Address: Sunshine 60 Building  
1-1 Higashi-Ikebukuro, 3-chome,  
Toshima-ku, Tokyo 170-6028. JAPAN

Additional name(s) & address(es) attached? Yes  No

**Domestic Representative Name and Address**

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

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07/27/2001 DB/RNE 00000181 5877122

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**Correspondent Name and Address**

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

Telephone: 202-659-2930

**Pages** Enter the total number of pages of the attached conveyance document: 3

**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes  No

A. Patent Application No.(s) B. Patent No.(s)  
5,877,122

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: \_\_\_\_\_

**Patent Cooperation Treaty (PCT)**

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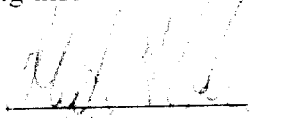
Enclosed

Authorized to be charged to Deposit Account No.: 01-2340

**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.

Stephen G. Adrian  
Name of Person Signing

  
Signature

July 23, 2001  
Date

32,878  
Registration No.

## U.S. ASSIGNMENT

WHEREAS, (1) **Fujitsu Limited**, a corporation duly organized under the laws of Japan, having an office and place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan, (2) **Sharp Kabushiki Kaisha**, a corporation duly organized under the laws of Japan, having an office and place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-0013, Japan, (3) **NEC Corporation**, a corporation duly organized under the laws of Japan, having an office and place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan, and (4) **International Superconductivity Technology Center**, a corporation duly organized under the laws of Japan, having an office and place of business at 14-3, Shinonome 1-chome, Koto-ku, Tokyo 135-0062, Japan, jointly own the entire right, title and interest in the invention entitled **JOSEPHSON ELEMENT HAVING A  $\text{NdBa}_2\text{Cu}_3\text{O}_{7-x}$  SUPERCONDUCTOR THIN-FILM WIRING PATTERN**, as described and claimed in United States Letters Patent No. 5,877,122 issued March 2, 1999, and any Letters Patent of the United States obtained from any continuation, divisional, renewal, substitute or reissue of said Letters Patent No. 5,877,122 for the full term or terms for which the same may be granted, by virtue of a deed of assignment recorded in the U.S. Patent and Trademark Office on July 31, 1996 at Reel 8061, Frame 0188;

WHEREAS, (1) **Fujitsu Limited**, (2) **Sharp Kabushiki Kaisha**, (3) **NEC Corporation**, and (4) **International Superconductivity Technology Center**, hereinafter **ASSIGNOR** in this Assignment, wish to assign and transfer to **New Energy and Industrial Technology Development Organization**, a corporation duly organized under the laws of Japan, having an office and a place of business at Sunshine 60 Building, 1-1 Higashi-Ikebukuro, 3-chome, Toshima-ku, Tokyo 170-6028, Japan, hereinafter **ASSIGNEE** in this Assignment, and said **ASSIGNEE** wishes to acquire **ASSIGNOR'S** undivided 50% interest in said invention and said United States Letters Patent No. 5,877,122. As a result of this assignment, the shares of their patent right will be divided as follows:

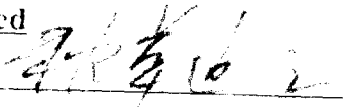
<b>(1) Fujitsu Limited</b>	<b>25 x 4/7%</b>
<b>(2) Sharp Kabushiki Kaisha</b>	<b>25 x 2/7%</b>
<b>(3) NEC Corporation</b>	<b>25 x 1/7%</b>
<b>(4) International Superconductivity Technology Center</b>	<b>25%</b>
<b>(5) New Energy and Industrial Technology Development Organization</b>	<b>50%</b>

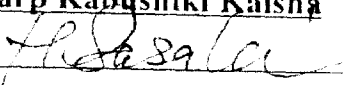
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE its undivided 50% interest in said invention and said Letters Patent No. 5,877,122, and any Letters Patent of the United States obtained from any continuation, divisional, renewal, substitute or reissue of said Letters Patent No. 5,877,122 for the full term or terms for which the same may be granted.


ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment and sale.

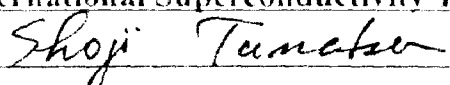
ASSIGNOR further covenants that it will, upon request by the ASSIGNEE promptly provide all pertinent facts and documents relating to said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, have hereunto set hand and seal.

(1) Assignor: Fujitsu Limited  
By:  June 11, 2001  
Date  
Name: Naoyuki AKIKUSA  
Title: President and CEO

(2) Assignor: Sharp Kabushiki Kaisha  
By:  June 11, 2001  
Date  
Name: Haruyasu Sasaki  
Title: Group General Manager  
Intellectual Property Group

(3) Assignor: NEC Corporation  
By:  June 11, 2001  
Date  
Name: Nagahisa Yuasa  
Title: Assistant General Manager  
Intellectual Property Division

(4) Assignor: International Superconductivity Technology Center  
By:  June 11, 2001  
Date  
Name: SHOJI TANAKA  
Title: VICE PRESIDENT