

08-07-2002



ocket No.: 15546

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings → → → ▼ ▼

102180660

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Kyung-Ho Shin, Woo-Young Lee, Young-Joon Park,
Kyung-Il Lee, Jae-Geun Ha**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

MRD 8-2.02

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **May 13, 2002**

2. Name and address of receiving party(ies):

Name: **Korea Institute of Science and Technology**

Address: **39-1, Hawolgok-Dong, Sungbook-Ku**

City: **Seoul**

State/Prov.:

Country: **Korea**

ZIP:

Additional name(s) & address(es)

☐ Yes ☒ No

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

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

Patent Application No.

Filing date

B. Patent No.(s)

10/145,167

May 13, 2002

Additional numbers

☐ Yes ☒ No

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

Name: **Edward W. Grolz**

Registration No. **33,705**

Address: **SCULLY, SCOTT, MURPHY & PRESSER**

400 Garden City Plaza

08/06/2002 TDIAZ1 00000137 10145167

01 FC:581

40.00 DP

City: **Garden City**

State/Prov.: **NY**

Country: **U.S.A.**

ZIP: **11530**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-1013/SSMP

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Edward W. Grolz

Name of Person Signing

Signature

July 29, 2002

Date

Total number of pages including cover sheet, attachments, and

7

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, , the undersigned,

Kyung-Ho SHIN, Woo-Young LEE, Young-Joon PARK, Kyung-Il LEE , and
Jae-Geun HA

Hereby sell, assign and transfer to Korea Institute of Science and Technology
a corporation

of Korea having a place of business at
39-1, Hawolgok-Dong, Sungbook-Ku, Seoul, Korea

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned

on May 13, 2002 and is entitled

MAGNETIC TUNNELING JUNCTION AND FABRICATION METHOD THEREOF

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request the Commissioner of Patents to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them, disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid United States application under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute

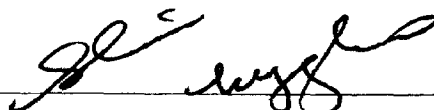
PATENT

REEL: 013150 FRAME: 0030

and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: May 13 2002

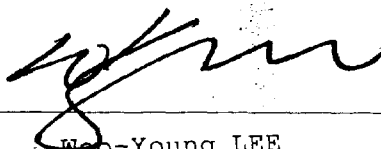


(L.S.)

Kyung-Ho SHIN

Witness: _____

Date: May 13 2002

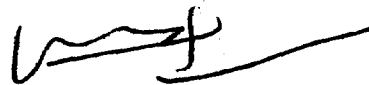


(L.S.)

Woo-Young LEE

Witness: _____

Date: May 13 2002



(L.S.)

Young-Joon PARK

Witness: _____

and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned; and that full right to convey the same as herein expressed is possessed by the undersigned.


Date: May 13 2002

Witness: _____

 (L.S.)
Kyung-Il LEE

Date: May 13 2002

Witness: _____

 (L.S.)
Jae-Geun HA

Date: _____

Witness: _____

_____ (L.S.)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**PATENTS ONLY**

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Kyung-Ho Shin, Woo-Young Lee, Young-Joon Park,
Kyung-Il Lee, Jae-Geun Ha**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **May 13, 2002**

2. Name and address of receiving party(ies):

Name: **Korea Institute of Science and Technology**Address: **39-1, Hawolgok-Dong, Sungbook-Ku**City: **Seoul**

State/Prov.: _____

Country: **Korea**

ZIP: _____

Additional name(s) & address(es)

☐ Yes ☒ No

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

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

Patent Application No.

Filing date

B. Patent No.(s)

10/145,167**May 13, 2002**

Additional numbers

☐ Yes ☒ No

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

Name: **Edward W. Grolz**Registration No. **33,705**Address: **SCULLY, SCOTT, MURPHY & PRESSER****400 Garden City Plaza**City: **Garden City**State/Prov.: **NY**Country: **U.S.A.**ZIP: **11530**

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

19-1013/SSMP

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.***Edward W. Grolz**

Name of Person Signing

Signature

July 29, 2002

Date

Total number of pages including cover sheet, attachments, and

7Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231**PATENT****RECORDED: 08/02/2002****REEL: 013150 FRAME: 0033**