

10/500588

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U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents

J original documents or copy thereof.

1. Name of conveying party(ies):

Tian Huang
Meng Li
Zhanxian Li
Derek G. Chetwynd
David J. WhitehouseAdditional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: June 24, 25 and 27th 2004

2. Name and address of receiving party(ies)

Name: Tianjin University

Internal Address: No. 9 Building

Tianjin University

Street Address: No. 9 Building

Tianjin University

City: Tianjin State: China Zip: 300072

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

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: June 24, 2004

A. Patent Application No.(s)

B. Patent No.(s)

10/500588

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter C. Knops

Internal Address: LATHROP & GAGE LC

2345 Grand Boulevard

Suite 2400

Street Address: 2345 Grand Boulevard

Suite 2400

City: Kansas City State: MO Zip: 64108

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

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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.

Peter C. Knops

Name of Person Signing

Signature

June 30, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:

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02 FC:8021 40.00 DA

PATENT
REEL: 016128 FRAME: 0722

FROM :

FAX NO. :

Jun, 29 2004 15:41

P4

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNMENT

WHEREAS, We, Tian Huang of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Meng Li of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Zhanxian Li of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Derek G. Chetwynd of University of Warwick, Gibbet Hill Road, Coventry CV47AL, Great Britain; and David J. Whitehouse of University of Warwick, Gibbet Hill Road, Coventry CV47AL, Great Britain have invented certain new and useful improvements in a

PLANAR PARALLEL ROBOT MECHANISM WITH TWO TRANSLATIONAL DEGREES OF FREEDOM

for which we are about to make or have made application for Letters Patent of the United States; and

WHEREAS, Tianjin University, an University duly organized under the laws of China and having its principal place of business at No. 9 Building, Tianjin University, Tianjin 300072, China, is desirous of acquiring an interest in, to and under said invention, said application, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Tian Huang, Meng Li, Zhanxian Li, Derek G. Chetwynd, and David J. Whitehouse, have sold, assigned and transferred, and by these presents to sell, assign and transfer unto the said Tianjin University, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in the specification prepared, and executed by us preparatory to obtaining Letters Patent of the United States therefore;
- (b) said application;
- (c) any and all refilings, divisions, continuations and continuations-in-part of said application;
- (d) any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions, continuations and continuations-in-part;
- (e) any and all reissues and reexaminations of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
- (g) any and all refilings, divisions and continuations of said foreign-filed applications;
- (h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and
- (i) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said Tianjin University, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters

FROM:

FAX NO. :

Jun. 29 2004 15:42 P5

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

ASSIGNOR #1

Tian Huang
Tian Huang

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Tianjin

Signed At (City/State)

Jiangping Mei

Name

Jiangping Mei

Signature

24 June, 2004

Date

WITNESS

Tianjin

Signed At (City/State)

Yanbing Ni

Name

Yanbing Ni

Signature

24 June, 2004

Date

FROM:

FAX NO. :

Jun. 29 2004 15:42 P6

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #2

Meng Li
Meng Li

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Tianjin
Signed At (City/State)Jiangping Mei
NameJiangping Mei
Signature24 June 2004
Date

WITNESS

Tianjin
Signed At (City/State)Yanbing Ni
NameYanbing Ni
Signature24 June 2004
Date

3 of 6

FROM :

FAX NO. :

Jun. 29 2004 15:42 P7

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #3

Zhanxian Li
Zhanxian Li

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Tianjin
Signed At (City/State)
Jiangping Mei
Name
Jiangping Mei
Signature
24 June 2004
Date

WITNESS

Tianjin
Signed At (City/State)
Yanbing Ni
Name
Yanbing Ni
Signature
24 June 2004
Date

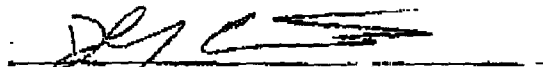
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04Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #4


Derek G. Chetwynd

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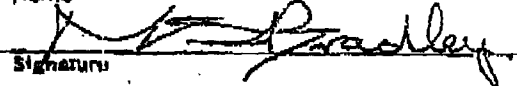
WITNESS

COVENTRY, UK

Signed At (City/State)

M. S. BRADLEY

Name



Signature

25 June 2004

Date

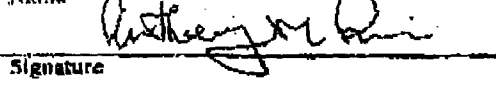
WITNESS

COVENTRY, UK

Signed At (City/State)

DR A. M. PRICE

Name



Signature

25 June 2004

Date

FROM :

FAX NO. :

Jun. 29 2004 15:42 P9

27-06-04 09:53 FROM: PROF D J WHITEHOUSE 442476473559

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PAGE 04

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #5

David J. Whitehouse
David J. Whitehouse

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

KENILWORTH UK

Signed At (City/State)

STUART BATES

Name

[Signature]

Signature

27/JUNE/2004

Date

WITNESS

KENILWORTH UK

Signed At (City/State)

JULIA HENDRICKS

Name

[Signature]

Signature

27/JUNE/2004

Date

6 of 6

FROM :

FAX NO. :

Jun. 29 2004 15:41

P4

Attorney Docket No.: 422935
U.S. National Phase of PCT/GB02/05943

ASSIGNMENT

WHEREAS, We, Tian Huang of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Meng Li of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Zhanxian Li of Tianjin University, No. 9 Building Tianjin University, Tianjin 300072; Derek G. Cherwynd of University of Warwick, Gibbet Hill Road, Coventry CV47AL, Great Britain; and David J. Whitehouse of University of Warwick, Gibbet Hill Road, Coventry CV47AL, Great Britain have invented certain new and useful improvements in a

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- (b) said application;
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- (d) any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions, continuations and continuations-in-part;
- (e) any and all reissues and reexaminations of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
- (g) any and all refilings, divisions and continuations of said foreign-filed applications;
- (h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and
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Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

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ASSIGNOR #1

Tian Huang
Tian Huang

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Tianjin

Signed At (City/State)

Jiangping Mei

Name

Jiangping Mei

Signature

24 June, 2004

Date

WITNESS

Tianjin

Signed At (City/State)

Yanbing Ni

Name

Yanbing Ni

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24 June, 2004

Date

FROM :

FAX NO. :

Jun. 29 2004 15:42 P6

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #2

Meng Li
Meng Li

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

Tianjin
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3 of 6

FROM :

FAX NO. :

Jun. 29 2004 15:42 P7

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #3

Zhanxian Li
Zhanxian Li

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WITNESS

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FAX NO. :

Jun. 29 2004 15:42 PB

8/06 '04 FRI 12:28 FAX 0044 02476 418922
06/24/2004 17:48 +862227405200SCHOOL OF ENGINEERING
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PAGE 04

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #4


Derek G. Chetwynd

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WITNESS

COVENTRY, UK
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25 June 2004
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WITNESS

Coventry UK
Signed At (City/State)
Dr A. M. Price
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[Signature]
Signature
25 June 2004
Date

FROM :

FAX NO. :

Jun. 29 2004 15:42 P9

27-06-04 09:53 FROM: PROF D J WHITEHOUSE 442476473558

TO: Z +862227405280 PAGE: 02

06/26/2004 15:51 +862227405280

HUANGTIAN

PAGE 04

Attorney Docket No.: 422955
U.S. National Phase of PCT/GB02/05943

ASSIGNOR #5

David J Whitehouse
David J. Whitehouse

Signed in my presence and acknowledged to be an assignment of the application herein above referred to:

WITNESS

KENILWORTH UK

Signed At (City/State)

STUART BATES

Name

[Signature]

Signature

27/JUNE/2004

Date

WITNESS

KENILWORTH UK

Signed At (City/State)

JULIA HENDRICKS

Name

[Signature]

Signature

27/JUNE/2004

Date

6 of 6