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HT04-039B

To the Honorable Commissioner of Patents

102903616

1 original documents or copy thereof.

12-17-04

1. Name of conveying party(ies):

KUNLIANG ZHANG, MAO-MIN CHEN, CHYU-JIUH
TORNG, MIN LI, CHEN-JUNG CHIEN

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

Name: Headway Technologies, Inc.

Internal Address:

Street Address:

678 S. Hillview Drive
City: Milpitas State: Ca
Zip: 95035

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

3. Nature of conveyance

Assignment Merger

Security Agreement Change of Name

other _____

Execution Date: 12/6/04

Additional name & address 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: 12/6/04&12/7/04

A. Patent Application No(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: GEORGE O. SAILE

Internal Address: _____

Street Address: 28 DAVIS AVENUE

City: POUGHKEEPSIE State: NY ZIP: 12603

6. Total no. of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit acct.

8. Deposit account number: 19-0033

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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

STEPHEN B. ACKERMAN

Name of Person Signing

Signature

12/17/04

Date

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HT04-039B

For U.S. and/or Foreign Rights
For Application or U.S. Patent
By Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, **ASSIGNOR:**

KUNLIANG ZHANG
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MIN LI
Type or print name of ASSIGNOR
5298 Salvatierra CT
Address
Dublin, CA 94568
P. R. China
Nationality

hereby sells, assigns and transfers to

ASSIGNEE:

Headway Technologies, Inc.
678 S. Hillview Drive
Milpitas, CA 95035
USA
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest
 an undivided _____ percent (___%) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

A Novel Hard Bias Design For Sensor Applications

HT04-039

For U.S. and/or Foreign Rights

For Application or U.S. Patent

By Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

CHEN-JUNG CHIEN
Type or print name of ASSIGNOR

250 Santa Fe Ter. #210
Address

Sunnyvale, CA 94085

Taiwan, Republic of China
Nationality

hereby sell, assign and transfer to

ASSIGNEE:

Headway Technologies, Inc.
678 S. Hillview Drive
Milpitas, CA 95035
USA
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided _____ percent (___%) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

A Novel Hard Bias Design For Sensor Applications

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on 12/6/04 & 12/7/04
- (c) U.S. application serial no. _____ filed on _____
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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

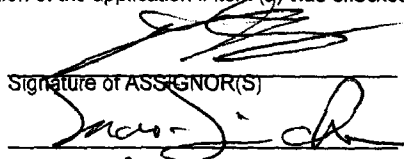
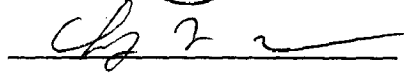
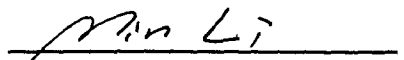
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IN WITNESS WHEREOF, I / We have signed this
12/10/04 (Date of signing)

WARNING Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Signature of ASSIGNOR(S)

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person authorized to sign on behalf of ASSIGNOR

Title

Note: No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

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and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on 12/6/04 & 12/7/04
- (c) U.S. application serial no. _____ filed on _____
- (d) U.S. patent no. _____ issued _____
(also check (e) if foreign application(s) is also being assigned)
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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

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IN WITNESS WHEREOF, I / We have signed this
_____ 12/6/04 (Date of signing)

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Cheng Li
Signature of ASSIGNOR

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person authorized to sign on behalf of ASSIGNOR

Title

Note: No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

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