PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------|----------------|
| Zhigang Bai | 04/10/2009 |
| Kowang Liu | 04/10/2009 |
| Yan Wu | 04/10/2009 |
| Moris Dovek | 04/10/2009 |

RECEIVING PARTY DATA

| Name: | Headway Technologies, Inc. | |
|-----------------|----------------------------|--|
| Street Address: | 678 South Hillview Drive | |
| City: | Milpitas | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 95035 | |

| Name: | Kabushiki Kaisha Toshiba | |
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| Street Address: | 1-1 Shibaura 1 Chome | |
| City: | Minato-Ku, Tokyo 105-8001 | |
| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12387534 |

CORRESPONDENCE DATA

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PATENT

REEL: 023140 FRAME: 0892

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| ATTORNEY DOCKET NUMBER: | HT08-049 |
|--------------------------------------------------------------------------|--------------------|
| NAME OF SUBMITTER: | Stephen B Ackerman |
| Total Attachments: 2 source=HT08-049#page1.tif source=HT08-049#page2.tif | |

PATENT REEL: 023140 FRAME: 0893

| HT08-049 | For U.S. and/or Foreign Rights |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| | For X Application or X U.S. Patent |
| | By X Inventor(s) or X Present Owner |
| ASSIGNMEN | T OF INVENTION |
| In consideration of the payment by ASSIGNE the receipt of which is hereby acknowledged, ASSIGNOR: | EE to ASSIGNOR of the sum of One Dollar (\$1.00), and for other good and valuable consideration, |
| ZHIGANG BAI | KOWANG LIU |
| Type or print name of ASSIGNOR | Type or print name of ASSIGNOR |
| 700 S.Abel Street #315 Address | 108 Buck Court Address |
| Milpitas, CA 95035 | Fremont, CA 94539 |
| People's Republic of China Nationality | Nationality |
| YAN WU Type or print name of ASSIGNOR | MORIS DOVEK Type or print name of ASSIGNOR |
| 819 Alderbrook Lane | 5623 Snowdon Place |
| Address | Address |
| Cupertino, CA 95014 | San Jose, CA 95138 |
| USA Nationality | USA Nationality |
| | Nationality |
| hereby sells, assigns and transfers to ASSIGNEE(S): | |
| A00101122(0). | |
| Headway Technologies, Inc. 678 South Hillview Drive | Kabushiki Kaisha Toshiba |
| Milpitas, CA 95035 | 1-1 Shibaura 1 Chome |
| USA | Minato-Ku, Tokyo 105-8001 Japan |
| Nationality | Nationality |
| and the successors, assigns and legal repres | entatives of the ASSIGNEE |
| (complete one of the following) | |
| x the entire right, title and interest | |
| an undivided percent (%) inte | rest for the United States and its territorial |
| possessions | |
| (check the following box/f foreign and in all foreign countries | gn rights are also to be assigned) |

in and to any and all improvements which are disclosed in the invention entitled: PMR Writer Device with Multi-Level Tapered Write Pole

PATENT REEL: 023140 FRAME: 0894

| and which is found in | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a) U.S. patent application executed on eve | n date herewith |
| (b) U.S. patent application executed on | |
| x (c) U.S. application serial no. <u>12/387,534</u> | filed on <u>May 4, 2009</u> |
| (d) U.S. patent no(also check (e) i | issuedif foreign application(s) is also being assigned) |
| x (e) and any legal equivalent thereof in a fore | ign country, including the right to claim priority |
| | ed for said invention by the above application or any hereof, and as to letters patent any re-issue or re- |
| ASSIGNOR hereby covenants that no assignable will be made or entered into which would conflict v | gnment, sale, agreement or encumbrance has been or with this assignment. |
| pertinent facts and documents relating to said inv may be known and accessible to ASSIGNOR and or proceeding related thereto and will promp representatives any and all papers, instruments o | IEE will, upon its request, be provided promptly with all rention and said Letters Patent and legal equivalents as d will testify as to the same in any interference, litigation only execute and deliver to ASSIGNEE or its legal or affidavits required to apply for, obtain, maintain, issue said Letters Patent and said equivalents thereof which rposes thereof. |
| IN WITNESS WHEREOF, I / We have signed this (Dat WARNING Date of signing must be the same as the date of | te of signing) of execution of the application if item (a) was checked above. |
| | Signature of ASSIGNOFUS) January Janu |
| If ASSIGNOR is a legal entity complete the fol | llowing 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 a prima facie evidence (35 USC 261). Use next page if nota Notarization of Legalization Page Added. | necessary, if the assignment is notarized or legalized then it will only be arization is desired. |

RECORDED: 08/25/2009

PATENT REEL: 023140 FRAME: 0895