

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yukinori IKEGAWA	11/17/2014
Yoshitaka SASAKI	11/17/2014
Hiroyuki ITO	11/17/2014
Hironori ARAKI	11/17/2014
Seiichiro TOMITA	11/17/2014
Hideo MAMIYA	11/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Headway Technologies, Inc.
<b>Street Address:</b>	678 S. Hillview Dr.
<b>City:</b>	Milpitas
<b>State/Country:</b>	CA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14523415
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2787
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<b>Phone:</b>	703-836-6400
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<b>Correspondent Name:</b>	JAMES A. OLIFF
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<b>ATTORNEY DOCKET NUMBER:</b>	163585
<b>NAME OF SUBMITTER:</b>	ANGELA M. NOLAN
<b>SIGNATURE:</b>	/Angela M. Nolan/
<b>DATE SIGNED:</b>	12/11/2014
<b>Total Attachments: 1</b>	

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**ASSIGNMENT**

Insert	(1) <u>Yukinori IKEGAWA</u>	(2) <u>Yoshitaka SASAKI</u>
(1-8) Legal Name(s)	(3) <u>Hiroyuki ITO</u>	(4) <u>Hironori ARAKI</u>
of Inventor(s)	(5) <u>Seiichiro TOMITA</u>	(6) <u>Hideo MAMIYA</u>
	(7) _____	(8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee	(9) <u>Headway Technologies, Inc.</u>
(10) Insert Address of Assignee	(10) <u>678 S. Hillview Dr., Milpitas, CA 95035 U.S.A.</u>

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number	(11) <u>METHOD OF MANUFACTURING A THIN-FILM MAGNETIC HEAD</u> <u>INCLUDING A COIL AND A MAGNETIC PATH FORMING SECTION</u>
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(Attorney Docket No. 163585 ), filed on even date herewith or as

(12) Alternative Identification for filed applications	(12) U.S. Application Number <u>14/523,415</u> filed <u>October 24, 2014</u>
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- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>November 17, 2014</u>	Inventor Signature	<u>Yukinori Ikegawa</u> (SEAL)
Date	<u>November 17, 2014</u>	Inventor Signature	<u>Yoshitaka Sasaki</u> (SEAL)
Date	<u>November 17, 2014</u>	Inventor Signature	<u>Hiroyuki Ito</u> (SEAL)
Date	<u>November 17, 2014</u>	Inventor Signature	<u>Seiichiro Tomita</u> (SEAL)
Date	<u>November 17, 2014</u>	Inventor Signature	<u>Hideo Mamiya</u> (SEAL)
Date	<u>November 17, 2014</u>	Inventor Signature	<u>Mamiya</u> (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>November 17, 2014</u>	Witness	<u>[Signature]</u>
Date	<u>November 17, 2014</u>	Witness	<u>[Signature]</u>

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