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

1. Name of conveying party(ies):

Naoki NISHIDA and Manami KUISEKO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: KONICA MINOLTA HOLDINGS, INC.

Street Address: 1-6-1 Marunouchi, Chiyoda-ku

City: Tokyo Country: JAPAN ZIP: 100-0005

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

113260 U.S. PTO  
11/520519

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3. Nature of conveyance:

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

Execution Date: August 22, 2006, respectively

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: August 22, 2006, respectively

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: SIDLEY AUSTIN LLP

Internal Address: Attn: Thomas N. Tarnay

Street Address: 717 North Harwood  
Suite 3400

City: Dallas State: TX ZIP: 75201-6507

6. Total Number of applications and patents involved: 1

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

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

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*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.*

Tung T. Nguyen (Reg. No. 42,935)

Name of Person Signing

Signature

September 13, 2006

Date

Total number of pages including cover sheet 3

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PATENT  
REEL: 018312 FRAME: 0417

**ASSIGNMENT**

In consideration of the sum of One Dollar (U.S. \$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Naoki NISHIDA, (2) Manami KUISEKO

hereby sells, assigns and transfers to KONICA MINOLTA HOLDINGS, INC., a corporation duly organized under the laws of Japan, and having a place of business at 1-6-1 Marunouchi, Chiyoda-ku, Tokyo 100-0005 Japan, (hereinafter called Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

**THERMAL-ASSISTED MAGNETIC RECORDING HEAD  
AND MAGNETIC RECORDING APPARATUS**

which application was executed by the undersigned on

the 22<sup>nd</sup> day of August, 2006; and

the 22<sup>nd</sup> day of August, 2006; respectively,

including said application and any and all divisions, continuations, and substitutes thereof and any and all United States Letters Patents which may be granted therefor and any and all extensions, reissues, renewals or reexaminations thereof, and the right to all benefits

under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Signed this 22nd day of August, 2006.

Naoki Nishida  
Naoki NISHIDA

Signed this 22nd day of August, 2006.

Manami Kuiseko  
Manami KUISEKO