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09/923981
08/07/01

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Qing He, Song S. Xue, Bryan K. Oliver and Patrick J. Ryan Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Seagate Technology LLC Intellectual Property Department 920 Disc Drive Scotts Valley, CA 95067-0360 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 07/11/2001; 07/14/2001; 07/11/2001; 07/30/2001	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: 07/11/2001; 07/13/2001; 07/11/2001; 07/30/2001 A. Patent Application No(s): <u>09/923981</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent No(s):	
5. Name/address of party to whom correspondence concerning document should be mailed: STEPHAN J. FILIPEK Fish & Richardson P.C. 45 Rockefeller Plaza, Suite 2800 New York, NY 10111	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> Stephan J. Filipek Reg. No. 33,384 Name of Person Signing Signature 7 AUGUST 2001 Date Total number of pages including coversheet, attachments and document: 6	

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

August 7, 2001
Date of Deposit

Signature

Francisco Robles
Typed Name of Person Signing Certificate

PATENT
REEL: 012068 FRAME: 0741

ASSIGNMENT

For valuable consideration, we, QING HE of 10650 Brunswick Road, #102
Bloomington, MN 55438, SONG S. XUE of 10382 Modey Lane
Eden Prairie, MN 55347, BRYAN K. OLIVER of 3901 Ontario
Ames, Iowa 50014-3818, PATRICK J. RYAN of 1249 Scheffer Avenue
St. Paul, MN 55116, hereby assign to:

Seagate Technology LLC, a Delaware corporation having a place of business at:

Intellectual Property Department
920 Disc Drive
Scotts Valley, CA 95067-0360; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled A MAGNETIC HEAD, filed August 7, 2001 and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Seagate LLC.

this 11 day of July, 2001

Qing He
QING HE

L.S.

State of Minnesota :

: SS.

County of Hennepin :

Before me this 11th day of July, 2001, personally
appeared QING HE known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Mary M. Patnode
Notary Public

My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at ASAP photo-plus, s. J. 95120
this 14 day of July, 2001

SONG S. XUE L.S.

State of California :

: ss.

County of Santa Clara

Before me this 14 day of JULY, 2001, personally
appeared SONG S. XUE known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

LAHERIKANT. A. SHAH
Notary Public

My Commission Expires: 11-20-2002

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at Seagate LLC,

this 11 day of July, 2001

BRYAN K. OLIVER L.S.

State of Minnesota :

: ss.

County of Hennepin :

Before me this 11th day of July, 2001, personally appeared BRYAN K. OLIVER known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Mary M. Patnode
Notary Public

My Commission Expires:

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at Seagate,
this 30th day of July, 2001
Patrick J. Ryan L.S.
PATRICK J. RYAN

State of Minnesota :

: ss.

County of Hennepin :

Before me this 30th day of July, 2001, personally
appeared PATRICK J. RYAN known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Mary M. Patnode
Notary Public

My Commission Expires:

[Notary's Seal Here]

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