TO: The Commissioner of Patents and Trademarks

Submission Type: X New

Conveyance Type: X Assignment

Conveying Party(ies)

Name (line 1) Thomas W. Clinton
Name (line 2) 

Second Party

Name (line 1) Thomas M. Crawford
Name (line 2) 

Receiving Party

Name (line 1) Seagate Technology LLC
Name (line 2) 

Address (line 1) 920 Disc Drive
Address (line 2) 

Address (line 3) Scotts Valley California 95066

Domestic Representative Name and Address

Name 

Address (line 1) 
Address (line 2) 
Address (line 3) 
Address (line 4) 

FOR OFFICE USE ONLY

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231
**Correspondent Name and Address**

Name: Bryan H. Opalko  
Address (line 1): Buchanan Ingersoll, P.C.  
Address (line 2): 301 Grant Street, 20th Floor  
Address (line 3): Pittsburgh, PA 15219  
Address (line 4):  

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.  

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**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached  

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).  

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<thead>
<tr>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.  

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**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.  

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**Number of Properties**

Enter the total number of properties involved.  

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**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): $40.00  

Method of Payment: Enclosed  

Deposit Account  

(Enter for payment by deposit account or if additional fees can be charged to the account.)  

Deposit Account Number:  

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Authorization to charge additional fees: Yes  

| No |

**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. Charges to deposit account are authorized, as indicated herein.  

Bryan H. Opalko  
Name of Person Signing  

Signature  
Date  

| 6/3/2003 |
Assignment

WHEREAS, We, Thomas W. Clinton, and Thomas M. Crawford, residing at Allegheny County, Pittsburgh, Pennsylvania; and Allegheny County, Pittsburgh, Pennsylvania, respectively, have invented certain new and useful apparatus, inventions, discoveries and/or improvements disclosed in an application for United States Letters Patent entitled "Method and Apparatus for Precessional Switching of the Magnetization of a Storage Medium Using a Transverse Write Field";

AND WHEREAS, SEAGATE TECHNOLOGY LLC, located at 920 Disc Drive, Scotts Valley, California 95066, hereinafter called the "Assignee," is desirous of acquiring the entire right, title, and interest in and to said application and the apparatus, inventions, discoveries and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the apparatus, inventions, discoveries and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, apparatus, inventions, discoveries and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said apparatus, inventions, discoveries or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said apparatus, inventions, discoveries and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED 5/29/2003
Thomas W. Clinton
(SEAL)

EXECUTED 6/1/2003
Thomas M. Crawford
(SEAL)
State of Pennsylvania ss:
Allegheny County

Before me, a Notary Public in and for the said County and State, personally appeared:

Thomas W. Clinton

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 29 day of May, 2003.

(Notarial Seal)

Notary Public

---

State of Pennsylvania ss:
Allegheny County

Before me, a Notary Public in and for the said County and State, personally appeared:

Thomas M. Crawford

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 2 day of June, 2003.

(Notarial Seal)

Notary Public