| 03-01-2002   |   |
|--|---|
| PA AG  | Attorney Docket No.<br>S01.12-0680  |
| 101997315  To the Honorable Director of the United States Pate attached original document or copy thereof.   | nt and Trademark Office: Please record the  |
| 1. Name of conveying party(ies): (1) John S. Putnam  | <ol><li>Name and address of receiving party(ies):</li></ol>   |
| Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No  | Name: Seagate Technology LLC  |
|  | Internal Address:   |
|  | Street Address:920 Disc Drive   |
| 2.12.02  | City Scotts Valley State CA ZIP 95066   |
|  | Additional name(s) & address(es) attached? [] Yes [X] No  |
| 3. Nature of Conveyance:   |   |
| [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other  |   |
| Execution Date: March 5, 2001  |   |
| 4A. Application No.(s)   | 4B. Patent No.(s)   |
| 09/801,019   |   |
| If this document is being filed together with a new application, the execution date(s) of the application is:  | Additional numbers attached? [ ] Yes [X] No   |
| Additional numbers attached? [ ] Yes [X] No  |   |
| 5. Name and address of party to whom correspondence concerning document should be mailed:  | 6. Total number of applications and patents involved: [1]   |
| Name: Alan G. Rego Street Address: Westman, Champlin & Kelly, P.A  Suite 1600 International Centre 900 Second Avenue South City: Minneapolis State: MN ZIP 55402 |   |
| City: Minneapolis State: MN ZIP 55402  | 7. Total fee (37 CFR 3.41):\$ 40.00   |
| 28/2002 LMUELLER 00000117 09801019   | 8. Method of Payment [X] Enclosed [X] The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123. |
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| 9. Statement and signature.  To the best of my knowledge and belief, the foregonattached copy is a true copy of the original documents.                          | ing information is true and correct and any   |
| Alan G. Rego<br>Name of Person Signing   | _   |
| theyo 1/24/  | 102   |
| Signature Date   | Total number of pages submitted: [2   |

PATENT REEL: 012611 FRAME: 0618

## **ASSIGNMENT**

Attorney Docket No.:

S01.12-0680

Seagate Docket No.:

STL 9649

WHEREAS, I John S. Putnam of 152 Third Street, Excelsior, MN 55331, U.S.A., am an inventor of an invention entitled FREQUENCY EXTENSION METHOD AND APPARATUS FOR FAST RISE TIME WRITERS that is the subject matter of: (check all that apply)

| X   | a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 60/202,890 filed on May 10, 2000;  |
|---|---|
| ×   | an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 09/801,019 filed on March 7, 2001; and  |
|   | an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No   |
| of E  | IEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State<br>Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066<br>A, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications,<br>If any and all Letters Patent or similar foreign or domestic legal protection;   |
| ack<br>to to<br>ideo<br>ren<br>pro-<br>con  | W. THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby inowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and the invention, the above-identified applications, all provisional applications from which any of the above-intified applications claim priority, corresponding domestic and foreign applications, any continuation, division, ewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal tection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or evention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign evident to issue the Letters Patent or similar legal protection to the Assignee. |
| nun<br>des<br>cou                           | othorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application in the successors and assigns, or anyone it may properly ignate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign intries and appoint Assignee the common representative in the above identified international application and any mational application for the invention.  |
| act<br>with<br>deli<br>its s<br>mal<br>inve | present to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, nout additional consideration, but at the expense of the Assignee, its successors and assigns, execute and ver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in king application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the ention in any and all countries, including without limitation providing testimony in any related interference, litigation proceeding.                    |
|   | John S. Putnam (Inventor)   |
| Sul   | oscribed and sworn to before me at Hennepin County, Minnesota, a Notary Public, this 5th day of   |
| _^  | marcelle m. Markenson   |
|   | Notary Public  MARCELLA M. MARKUSON MOTARY PUBLIC - MINNESOTA DAKOTA COUNTY My Comm. Expires Jan. 31, 2005  |

-1-

TOTAL P.05