

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Andreas Klaus Berger | 05/10/2007 |
| Eric E. Fullerton | 05/10/2007 |
| Olav Hellwig | 05/10/2007 |
| Byron Hassberg Lengsfeld III | 05/21/2007 |
| Ernesto E. Marinero | 05/10/2007 |
| RECEIVING PARTY DATA | |
| Name: | HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V. |
| Street Address: | LOCATELLIKADE 1, PARNASSUSTOREN |
| City: | 1076 AZ AMSTERDAM |
| State/Country: | NETHERLANDS |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 11751823 |
| CORRESPONDENCE DATA | |
| Fax Number: | (408)717-9155 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Email: | tom.berthold@comcast.net |
| Correspondent Name: | HITACHI GLOBAL STORAGE TECHNOLOGIES |
| Address Line 1: | 5600 COTTLE ROAD |
| Address Line 4: | San Jose, CALIFORNIA 95193 |
| ATTORNEY DOCKET NUMBER: | HSJ920070042US1 |
| NAME OF SUBMITTER: | Thomas R. Berthold |

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Total Attachments: 3
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PATENT

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REEL: 019327 FRAME: 0608

ASSIGNMENT

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 Whereas, I/we, as below named inventor(s), have invented certain improvements in:


PATTERNED PERPENDICULAR MAGNETIC RECORDING MEDIUM WITH EXCHANGE-COUPLED RECORDING LAYER STRUCTURE AND MAGNETIC RECORDING SYSTEM USING THE MEDIUM

and executed a Declaration and Power of Attorney for a United States patent application therefor on:

| | | |
|--------------|------------|------------|
| 1. 5/10/07 | 2. | 3. 5/10/07 |
| 4. 5/21/2007 | 5. 5/10/07 | |


Whereas, HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V., having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereafter called HITACHI), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

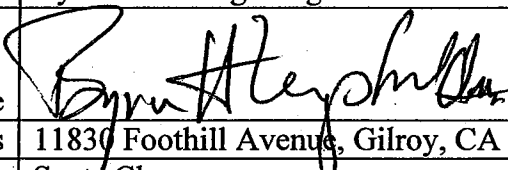
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

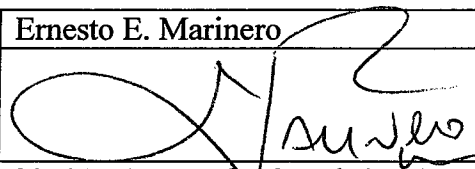
| | | |
|-------------------------|--|--------------|
| 1. Inventor's Full Name | Andreas Klaus Berger | |
| Inventor's Signature |  | date 5/10/07 |
| Residence Address | 466 Knollcrest Avenue, San Jose, CA 95138 | |
| Residence County | Santa Clara | |
| Post Office Address | SAME | |
| Citizenship | DE | |

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| 2. Inventor's Full Name | Eric E. Fullerton | |
| Inventor's Signature | | date |
| Residence Address | 5131 Cheltenham Terrace, San Diego, CA 92130 | |
| Residence County | San Diego | |
| Post Office Address | SAME | |
| Citizenship | US | |

ASSIGNMENT

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| 3. Inventor's Full Name | Olav Hellwig | |
| Inventor's Signature |  | date 05/10/07 |
| Residence Address | 5923 Clydesdale Avenue, San Jose, CA 95123 | |
| Residence County | Santa Clara | |
| Post Office Address | SAME | |
| Citizenship | DE | |

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| 4. Inventor's Full Name | Byron Hassberg Lengsfeld III | |
| Inventor's Signature |  | date 5/21/2007 |
| Residence Address | 11830 Foothill Avenue, Gilroy, CA 95020 | |
| Residence County | Santa Clara | |
| Post Office Address | SAME | |
| Citizenship | US | |

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| 5. Inventor's Full Name | Ernesto E. Marinero | |
| Inventor's Signature |  | date 5/10/07 |
| Residence Address | 22501 Mount Eden Road, Saratoga, CA 95070 | |
| Residence County | Santa Clara | |
| Post Office Address | SAME | |
| Citizenship | US | |

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| 1. | 2. <i>5-10-07</i> | 3. |
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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

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| 1. Inventor's Full Name | Andreas Klaus Berger | |
| Inventor's Signature | | date |
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| Residence County | Santa Clara | |
| Post Office Address | SAME | |
| Citizenship | DE | |

| | | |
|-------------------------|--|---------------------|
| 2. Inventor's Full Name | Eric E. Fullerton | |
| Inventor's Signature | <i>Eric E. Fullerton</i> | date <i>5-10-07</i> |
| Residence Address | 5131 Cheltenham Terrace, San Diego, CA 92130 | |
| Residence County | San Diego | |
| Post Office Address | SAME | |
| Citizenship | US | |