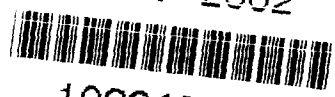


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Reference: 1076.41856X00

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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): WUNDERLICH, JOERG Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: HITACHI, LTD. Internal Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku, Street Address: City: Tokyo, JAPAN State: Zip: Other

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: September 19, 2002.

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

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: A. Patent Application No. (s) 10/189,430, filed July 8, 2002

B. Patent Registration No. (s) Additional number(s) attached Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP Internal Address: 1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip:

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

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PATENT

Docket No. 1076.41856X00

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

JOERG WUNDERLICH, of 27 Bailey Mews, Cambridge, CB5 8DR, ENGLAND

(full name(s) and post office address(s) of inventor(s) (including country))

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

MAGNETIC MEMORY CELL

(title of discovery or invention)

for which application for Letters Patent of the United States has been executed on even date herewith,

for which application for Letters Patent of the United States has been filed on 8 July 2002, under Serial No. 10/189430, and

WHEREAS:

Hitachi Limited, of 6 Kanda Surugadai 4-Chome, Chiyoda-ku, Tokyo 101-8010, Japan
(name and address of assignee)

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of _____ Dollar (\$ _____), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and

behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discover or invention, and execute and deliver and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that it reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discover in all countries, and without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature: JOERG WUNDERLICH
First Name Middle initial Last name

Citizenship: GERMAN

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 19 day of September, 19 2002.

STATE OF)
) ss.: CAMBRIDGE
COUNTY OF)

On this 19 day of SEPTEMBER, 19²⁰⁰², before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Jerry
Notary Public
/26/98