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Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)

RECO



DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

102828091

To the Honorable Commissioner of Patents and Trademarks. Please record the enclosed documents or copy thereof.

1. Name of conveying party(ies):  
**AMANO, TAKASHI  
YAMAGAMI, KENJI**

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:

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: **April 14, 2004 & August 27, 2004.**

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)

**10/823,619, April 14, 2004**

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 17<sup>th</sup> Street – Suite 1800**

City: **Arlington** State: **VA** Zip: **22209**

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

8. Deposit account number:

**01-2135**

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.*

**CARL I. BRUNDIDGE, Reg# 29,621**

Name of Person Signing

Signature

**08/27/2004**

Date

Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

08/30/2004 EAREGAY1 00000119 10823619

02 FC:8021

40.00 05

**ASSIGNMENT**ATTY. DOCKET NO.:  
**274.43199X00**

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to:

**METHOD AND APPARATUS FOR AVOIDING JOURNAL OVERFLOW ON  
BACKUP AND RECOVERY SYSTEM USING STORAGE BASED JOURNALING**

For which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

and WHEREAS

**HITACHI, LTD**  
**6, Kanda Surugadal**  
**4-chome, Chiyoda-ku**  
**Tokyo, JAPAN 101-8010**

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Antonelli, Terry, Stout, Kraus, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR <b>Takashi Amano</b>	INVENTOR-S SIGNATURE <i>Takashi Amano</i>	DATE <b>4/14/04</b>
202	FULL NAME OF SECOND JOINT INVENTOR <b>Kenji Yamagami</b>	INVENTOR-S SIGNATURE	DATE
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
204	FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
207	FULL NAME OF TWELFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE

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NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

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202	FULL NAME OF SECOND JOINT INVENTOR <b>Kenji Yamagami</b>	INVENTOR-S SIGNATURE <i>Kenji Yamagami</i>	DATE <b>8/27/04</b>
203	FULL NAME OF THIRD JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
204	FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE
207	FULL NAME OF TWELFTH JOINT INVENTOR	INVENTOR-S SIGNATURE	DATE

RECORDED: 08/27/2004

PATENT  
REEL: 015738 FRAME: 0249