01-22-2003

Form PTO-1595 (Rev. 10-02)	Sheet U.S. Department of Commerce U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 5/31/2002)	ΥΥ
Tab settings ⟩ ⟩ ▼	Please record the attached original documents or copy thereof
1. Name of conveying party(ies):  Kenji Yamagami, Naoki Watanabe	Name and address of receiving party(ies)     Name: <u>Hitachi, Ltd.</u>
Additional name(s) of conveying party(ies) attached?  Yes  No.	Internal Address:
3. Nature of conveyance:	Street Address: 6, Kanda-Surugadai 4-chome
	Chiyoda-ku
☐ Security Agreement ☐ Change of Name	City: Tokyo Country: Japan ZIP: 101-8010
Other:	Additional name(s) and address(es) attached? ☐ Yes ☒ No
Execution Date: 11/21/02	FINANCE
Application number(s) or patent number(s):	7.
If this document is being filed together with a new application, the	ne execution date of the application is:
A. Patent Application No(s): 10/305,714	B. Patent No(s):  B. Patent No(s):  CT NRC ORD  And And CREE  CORD  And CREE  CREE  CORD  And
Additional numbers attached?  Yes No	
5. Name and address of party to whom correspondence	Total number of applications and patents involved 1
concerning document should be mailed:	
Name: George B. F. Yee TOWNSEND AND TOWNSEND AND CREW LLP	7. Total fee (37 CFR 3.41):\$40.00
Two Embarcadero Center, 8 <sup>th</sup> Floor	☐ Enclosed
San Francisco, California 94111-3834 (415) 576-0200	☐ Authorized to be charged to deposit account
	Deposit account number: 20-1430  (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
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.	
9	Mh
George B. F. Yee	1/2 2003
Name of Person Signing Atty. Reg. No. 37,478	Signature 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 Patents and Trademarks, Box Assignments	

Washington, D.C. 20231

01/22/2003 TBIAZ1

00000030 201430 10305714

01 FC:8021

40.00 CH

**PATENT** 

**REEL: 013667 FRAME: 0952** 

Attorney Docket No.: 16869B-043010US Client Reference No.: HAL-ID 208CIP

## ASSIGNMENT OF PATENT APPLICATION

**JOINT** 

WHEREAS, Kenji Yamagami of 108 Calle Nivel, Los Gatos, CA 95032 and Naoki Watanabe of 965 E. El Camino Real, #321, Sunnyvale, CA 94087 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

METHOD AND APPARATUS FOR MANAGING

REPLICATION VOLUMES

Date(s) of execution of Declaration:

Filing Date:

November 27, 2002

Application No.:

10/305,714

WHEREAS, Hitachi, Ltd., located at 6, Kanda-Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

PATENT REEL: 013667 FRAME: 0953 Assignment

Attorney Docket No.: 16869B-043010US

Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 11-21-02

Kenji Yamagami

Dated: ///21/02

Naoki Watanabe

PA 3264081 v1

PATENT REEL: 013667 FRAME: 0954