UN 17 2008 5	
JUN 17 2008 & MADENIAR TO-1595 (Rev. 03/05) OMB No. 0651-0027 (exp. 6/30/2005) 06-2	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Off
D To the Director of the U.S. Patent and	09654 ,cuments or the new address(es) below.
1. Name of conveying party(ies) HITACHI EUROPE LIMITED	2. Name and address of receiving party(ies) Name: <u>Hitachi, Ltd.</u>
O	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes V N 3. Nature of conveyance/Execution Date(s):	Street Address: <u>6-6, Marunouchi 1-chome</u>
Execution Date(s) <u>20 May 2008</u>	Chioyda-ku, Tokyo, JAPAN
Security Agreement       Change of Name         Joint Research Agreement	City: State:
Government Interest Assignment Executive Order 9424, Confirmatory License	Country:Zip:
A. Patent Application No.(s) Additional numbers a 5. Name and address to whom correspondence	B. Patent No.(s) 6,574,143 6,771,012 attached? Yes ✓No 6. Total number of applications and patents
concerning document should be mailed:	involved: 2
Name: Daniel G. Shanley	7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>80.00</u>
Internal Address: <u>KENYON &amp; KENYON LLP</u>	Authorized to be charged by credit card
Street Address: <u>1500 K Street, N.W., Suite 700</u>	<ul> <li>Authorized to be charged to deposit account</li> <li>Enclosed</li> <li>None required (government interest not affecting title</li> </ul>
City: Washington	8. Payment Information
State: <u>DC</u> Zip: 20005	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 202-220-4200	b. Deposit Account Number <u>11-0600</u>
Fax Number: <u>202-220-4201</u> Email Address: <u>DShanley@Kenyon.com</u>	Authorized User Name <u>KENYON &amp; KENYON LLP</u>
9. Signature: Shaw O' Dor Signature	
Shawn W. O'Dowd Name of Person Signing	Total number of pages including cover 3 sheet, attachments, and documents:
Documents to be recorded (including cover she	et) should be faxed to (703) 306-5995, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 06/19/2008 DBYRNE 0000008 110600 6574 01 FC:8021 88.00 DA

PATENT REEL: 021127 FRAME: 0092

ι.

Attorney Docket: \_\_\_\_/\_\_\_

## ASSIGNMENT

WHEREAS Hitachi Europe Limited (hereinafter, "ASSIGNOR") is a corporation organized under the laws of the United Kingdom, and having an office at Whitebrook Park, Lower Cookham Road Maidenhead, Berkshire, SL6 8YA, United Kingdom and presently owns and controls the following U.S. patents (hereinafter, the "PATENTS"):

U.S. Patent No. 6,574,143 - Memory Device Using Hot Charge Carrier Converters

U.S. Patent No. 6,771,012 - Apparatus for Producing a Flux of Charge Carriers

WHEREAS Hitachi, Ltd. is a corporation organized under the laws of Japan and has an office at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan (hereinafter, "ASSIGNEE").

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby

sells, assigns, and transfers to ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the PATENTS, and all divisional, continuing, substitute, renewal, reissue, reexamined and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries; and in and to all rights of priority resulting from the filing of the PATENTS; and

agrees that ASSIGNEE may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, ASSIGNEE, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, reexamined and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to ASSIGNEE, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist ASSIGNEE, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title

Page 1 of 2

DC:718014.DOC

## PATENT REEL: 021127 FRAME: 0093

Attorney Docket: \_\_\_\_/\_\_

to said improvements, and all applications for patents and all patents on said improvements, in ASSIGNEE, its successors, assigns, and legal representatives.

This Assignment shall be effective as of the date of execution of this document.

IN WITNESS WHEREOF, a duly authorized representative of the ASSIGNOR has executed this Assignment:

Hitachi Europe Limited 2 0 MAY 2008 By: Date: Name: Hideyuki ARIYASU

Title: Managing Director, Hitachi Europe Limited

Page 2 of 2

DC:718014.DOC

## **RECORDED: 06/17/2008**

## PATENT REEL: 021127 FRAME: 0094