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United States Patent and Trademark Office

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1. Name of conveying party(ies)

Kazuhiko MOGI (7/01/05)

Norifumi NISHIKAWA (7/01/05)

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No**2. Name and address of receiving party(ies)**Name: HITACHI, LTD.

Internal Address: _____

Street Address: 6-6, MARUNOUCHI 1-CHOMECHIYODA-KUCity: TOKYO

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Country: JAPAN Zip: 100-8280Additional Name(s) & Addresses attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) (see above)☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 0424, Confirmatory License☐ Other _____**4. Application or patent number(s):**

A. Patent Application No.(s)

11/182,867☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Mattingly, Stanger, Malur & Brundidge, P.C.

Internal Address: _____

Street Address: 1800 Diagonal Road, Suite 370City: AlexandriaState: VA Zip: 22314Phone Number: 703-684-1120Fax Number: 703-684-1157

Email Address: _____

6. Total number of applications and patents involved: _____**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40.00☒ Authorized to be charged by credit card☐ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**a. Credit Card Last 4 Numbers 1027
Expiration Date 08/2011b. Deposit Account Number 50-1417

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9. Signature: _____

Signature

Date August 14, 2007

Shrinath Malur

Name of Person Signing

Total number of pages including cover

Sheet, attachments, and documents: 4

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COPY**ASSIGNMENT**

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the undersigned by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said NAID, Inc., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S)	Date Signed	Witness(es)
1)	<u>Kazuhiko MOGI</u>	<u>Jul. 1, 2005</u>	<u>Kazuhiko Mogi</u>
2)	<u>Norifumi NISHIKAWA</u>	<u>Jul. 1, 2005</u>	<u>Norifumi Nishikawa</u>