PATENTS ONLY (ref OG 7/28/92)

To the Monorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

Name of Party(ies) conveying an interest:

Name and Address of Party(ies) receiving an interest:

Tomomi KOGANEZAWA (10/10/03)

Hiroshi INOUE (10/10/03)
Kazuhiko KAWAIKE (10/22/03)

HITACHI, LTD.

6-6, Marunouchi 1-chome Chiyoda-ku, Tokyo, JAPAN

3. Description of the interest conveyed:

Assignment

4. Application number(s) or patent number(s).

Additional sheet attached? ____ Yes XXX No

If this document is being filed together with a new application, the execution date of the application is: _____

DATE

A. Patent Application No.(s)

B. Patent No.(s)

10/730,088

5. Name and address of party to whom correspondence concerning document should be mailed:

> John R. Mattingly Mattingly, Stanger, Malur& Brundidge, P.C. 1800 Diagonal Road, Suite 370 Alexandria, Virginia 22314

- 6. Number of applications and patents involved: One
- Amount of fee enclosed or authorized to be charged: \$40,00
- 8. The Commissioner is hereby authorized to charge Deposit Account No. 50-1417 if no credit card payment form is attached.

DO NOT USE THIS SPACE

- 9. Execution date of attached document: October 10 & 22, 2003
- 10. To the best of my knowledge and belief, I declare under penalty of perjury under the laws of the United States of America that the foregoing information is true and correct and that any attached copy is a true copy of the original document.

Shrinath Malur

Name of Person Signing

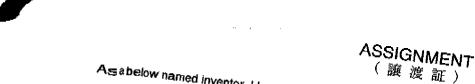
*9*41g/na⊭ure`

July 9, 2007

Date

Total number of pages being submitted: $\underline{4}$

PATENT REEL: 019528 FRAME: 0764



Asabelow 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 cornsideration paid to me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan,

receiptof which is hereby acknowledged I do hereby sell and assign to said. Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ivented 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 tobe h⊖ldand enjoyed by said Hitachi, Ltd.,

itssuccessors, 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

And 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,

And Ido hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd., Signed on the date(s) indicated aside our signatures:

INVENTOR(S)

(発明者フルネームサイン)	
Tomomi Koganezawa	Date Signed (署名日)
V —————	

Tomomi Koganegawa	(署名日)
- Washing	10/10/2003
3) Kazuhiko Kawaike	10/10/2003
4)	10/22/2003
5)	
6)	
7)	
g)	

--PATENT

REEL: 019528 FRAME: 0765

RECORDED: 07/09/2007