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U.S. Department of Commerce (See: 10.02) Obte No. 6651-0027 (exp. 10.02) To the Honorable Commissioner of Patents and Trademarks. Presser service with an admitted part of the Surgidad (See Note of Name of Conveying party(les)) To the Honorable Commissioner of Patents and Trademarks. Presser service with the Commerce of Patents a	ncr 0 9 2003 🖹 10 - 20 - 4	1ttorney Docket No. 16869K-083500US	
To the Honorable Commissioner of Patents and Trademarks. Preside to receiving party(se): Name of conveying party(se): O-9-0	Form PTO-1595	ILS Department of Commerce	
1. Name of conveying party(ies): 10.903	Tab settings ⇔⇔♥ ▼ 102578	616 V V V	
Additional name(s) of conveyance: Assignment	1. Name of conveying party(ies):	Name and address of receiving party(ies)	
Security Agreement	3. Nature of conveyance:	6, Kanda Surugadai 4-chome Chiyoda-ku	
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): 10/461,292 B. Patent No(s): Additional numbers attached? ☐ Yes ☒ No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert C. Colwell TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200 B. Patent No(s): 6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): ────────────────────────────────────	☐ Security Agreement ☐ Change of Name	Additional name(s) and address(es) attached? ☐ Yes ☒ No	
If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s): 10/461,292 B. Patent No(s): Additional numbers attached? Yes No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert C. Colwell TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (415) 576-0200 B. 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. Robert C. Colwell Name of Person Signing Atty. Reg. No. 27,431			
A. Patent Application No(s): 10/461,292 B. Patent No(s): Additional numbers attached?	4. Application number(s) or patent number(s):		
Additional numbers attached? So No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert C. Colwell TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834 (415) 576-0200 8. 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. Robert C. Colwell Name of Person Signing Atty. Reg. No. 27,431	If this document is being filed together with a new application, the execution date of the application is:		
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 Additional name(s) of conveying party(ies): (Continued from Page 1)

Azuma Kano

- Additional name(s) and address(es) of receiving party(ies): (Continued from Page 1)
- Additional application number(s) or patent number(s): (Continued from Page 1)
 - A. Patent Application No.(s)

B. Patent No.(s)

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PATENT REEL: 014592 FRAME: 0235

ASSIGNMENT

(譲渡証)

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 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,

receipt of 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

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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 our signatures:

RECORDED: 10/09/2003

	inventor(s) (発明者フルネームサイン)	Oate Signed (署名日)
1)_	Katsuyoshi Suzuki	July. 1, 2003
2)_	Katsugoshi Suzuki Ozuma Kano	July. 1, 2003
3)_		
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