

Attorney Docket No. 381NP/50443 PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
(1) Junnosuke NAKATSUGAWA  
(2) Tsunehiro ENDO  
(3) Hiromi INABA  
(4) Yoshitaka IWAJI  
(5) Yukio KAWABATA  
(6) Hiroyuki TOMITA  
(7) Junji KATO  
*10/18/01*  
Additional name(s) of conveying party(ies) attached?  
 yes  no

2. Name and address of receiving party(ies)  
Name: Hitachi, Ltd.  
Street Address: 6, Kanda Surugadai 4-chome  
Chiyoda-ku, Tokyo 101-8010,  
JAPAN  
Additional name(s) & address(es) attached?  
 yes  no

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
Execution Date: (1)-(5) 09/10/2001; (6) 09/13/2001; (7) 09/24/2001

10-26-2001  
  
101887171

10978 U.S. PTO  
09/981262  
10/18/01

*09/98/262*

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: (1)-(5) 09/10/2001; (6) 09/13/2001; (7) 09/24/2001

A. Patent Application No. (s) | B. Patent No(s).  
**PENDING**

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
**Gary R. Edwards  
Crowell & Moring, LLP  
Intellectual Property Group  
P.O. Box 14300  
Washington, D.C. 20044-4300**

6. Total number of applications and patents involved: 1  
7. Total Fee (37 CFR 3.41): \$ 40.00  
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 05-1323  
 Authorized to be charged to Deposit Account

8. Deposit Account No.  
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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.  
*Gary R. Edwards*  
Name Gary R. Edwards Reg. No. 31,824 Date October 18, 2001

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS, AND DOCUMENT: 2

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ASSIGNMENT  
(讓渡証)

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 or us citizen(s) 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 or us 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) (発明者フルネームサイン)	Date Signed (署名日)
1) Junnosuke NAKATSUGAWA <i>Junnosuke Nakatsugawa</i>	<u>09 / 10 / 2001</u>
2) Tsunehiro ENDO <i>Tsunehiro Endo</i>	<u>09 / 10 / 2001</u>
3) Hiromi INABA <i>Hiromi Inaba</i>	<u>09 / 10 / 2001</u>
4) Yoshitaka IWAJI <i>Yoshitaka Iwaji</i>	<u>09 / 10 / 2001</u>
5) Yukio KAWABATA <i>Yukio Kawabata</i>	<u>09 / 10 / 2001</u>
6) Hiroyuki TOMITA <i>Hiroyuki Tomita</i>	<u>09 / 13 / 2001</u>
7) Junji KATO <i>Junji Kato</i>	<u>09 / 24 / 2001</u>
8) _____	_____
9) _____	_____
10) _____	_____