

08-30-2002



102207157

Attorney Docket No. 381HI/51414

To the Honorable Commissioner of Patents
original documents or copy thereof.

Please record the attached.

31011 U.S. PTO
10/22/02
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1. Name of conveying party(ies):
(1) Shiho IZUMI; (2) Hiroshi KURODA;
(3) Satoru KURAGAKI; (4) Kazuhiko SATO;
(5) Terumi NAKAZAWA; (6) Kenichi MIZUSHI;
(7) Kazuaki TAKANO; (8) Mitsuhide SASAKI;
(9) Hiroshi KONDOH; (10) Mikito TSUBOTA
Additional name(s) of conveying party(ies)
attached?
 yes no *08/23/02*

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) 7/01/02; (2) 7/01/02;
(3) 7/01/02; (4) 7/04/02; (5) 7/12/02;
(6) 7/23/02; (7) 7/02/02; (8) 7/23/02;
(9) 7/02/02; (10) 7/24/02

10/22/02

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) 7/01/02; (2) 7/01/02; (3) 7/01/02; (4) 7/04/02; (5) 7/12/02; (6) 7/23/02; (7) 7/02/02; (8) 7/23/02; (9) 7/02/02; (10) 7/24/02
A. Patent Application No. (s) **PENDING**
B. Patent No(s).
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.
(Attach dupl. copy of this page if paying by Deposit Account)

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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 *Reg. No. 31,824* August 23, 2002
Name Gary R., Edwards Date

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

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Washington, D.C. 20231

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 signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1)	Shiho IZUMI <i>Shiho Izumi</i>	07/01/2002
2)	Hiroshi KURODA <i>Hiroshi Kuroda</i>	07/01/2002
3)	Satoru KURAGAKI <i>Satoru Kuragaki</i>	07/01/2002
4)	Kazuhiko SATO <i>Kazuhiko Sato</i>	07/04/2002
5)	Terumi NAKAZAWA <i>Terumi Nakazawa</i>	07/12/2002
6)	Kenichi MIZUISHI <i>Kenichi Mizuishi</i>	07/23/2002
7)	Kazuaki TAKANO <i>Kazuaki Takano</i>	07/02/2002
8)	Mitsuhide SASAKI <i>Mitsuhide Sasaki</i>	07/23/2002
9)	Hiroshi KONDOH <i>Hiroshi Kondoh</i>	07/02/2002
10)	Mikito TSUBOTA <i>Mikito Tsubota</i>	07/24/2002