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To the Honorable Commissioner of Patent

Remarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yuzuru TAKAHASHI, Tamotsu ITO

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: December 17, 1998

2. Name and address of receiving party(ies)

Name: Hitachi LTD

Internal Address: _____

Street Address: 6, Kanda Surugadai 4-Chome

Chiyoda-Ku, Tokyo Japan

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? Yes No

Jc135 U.S. PTO
09/22/99
01/05/99

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: December 17, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address: _____

Street Address: 1300 NORTH SEVENTEENTH STREET

SUITE 1800

City: ARLINGTON State: VA ZIP: 22209

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

01-2135

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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.

Carl J. Brundidge

Name of Person Signing 29,621

Signature

January 5, 1999

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 9704 FRAME: 0320

Name and Address of Additional Receiving Party:

Name: Hitachi Ulsi Systems Co., Ltd.

Street Address:

22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo Japan

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Yuzuru TAKAHASHI and Tamotsu ITO,

citizens of Japan by HITACHI, LTD., and Hitachi ULSI Systems Co., Ltd., corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan, respectively,

receipt of which is hereby acknowledged, we, the said Yuzuru TAKAHASHI and Tamotsu ITO,

do hereby sell and assign to said HITACHI, LTD., and Hitachi ULSI Systems Co., Ltd.,

their ~~its~~ successors and assigns, all our right, title and interest, in and for the United States of America, in and to "INFORMATION REPRODUCING METHOD, INFORMATION REPRODUCING APPARATUS AND INFORMATION RECORDING/REPRODUCING APPARATUS" invented by 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., and Hitachi ULSI Systems Co., Ltd.,

their ~~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 us if this assignment and sale had not been made:

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

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Hitachi ULSI Systems Co., Ltd.

Signed on the dates indicated aside our signatures:

INVENTORS (発明者フルネームサイン)	Date Signed (署名日)	Witnesses (立会人サイン)
1) <u>Yuzuru Takahashi</u> (Yuzuru TAKAHASHI)	December 17, 1998	<u>Yasuji Moriyama</u> <u>Yasuji Moriyama</u>
2) <u>Tamotsu Ito</u> (Tamotsu ITO)	December 17, 1998	
3) _____ ()	_____	_____
4) _____ ()	_____	_____
5) _____ ()	_____	_____
6) _____ ()	_____	_____
7) _____ ()	_____	_____
8) _____ ()	_____	_____