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Patent and Trademark Office

OMB No. 0651-0011(exp. 4/94) 1990.67014

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**Akihiro Yamazaki; Takao Sugawara;  
Motomu Takatsu; Masaru Sawada**

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

## 2. Name and address of receiving party(ies)

Name: **Fujitsu Limited**

Internal Address:

Street Address: **1-1, Kamikodanaka 4-chome,****Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan**

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) &amp; address(es) attached: ( ) Yes (X) No

3. Nature of conveyance: **10-18-02**

- (X) Assignment ( ) Merger  
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Execution Date: **June 17, 2002; June 17, 2002;  
June 17, 2002; June 18, 2002**

## 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: **June 17, 2002; June 17, 2002;  
June 17, 2002; June 18, 2002**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ( ) Yes (X) No

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

Name: **Patrick G. Burns  
Greer, Burns & Crain, Ltd.**Internal Address: **300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606**

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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**10/25/2002 GTOM11 00000124 10273485**6. Total number of applications and patents involved: **1**

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*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.***James K. Folker**

Name of Person Signing

Signature

**October 18, 2002**

Date

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**PATENT**  
**REEL: 013413 FRAME: 0169**

## UTILITY PATENT

## ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Akihiro Yamazaki

Address: Kawasaki, Japan

Name: Takao Sugawara

Address: Kawasaki, Japan

Name: Motomu Takatsu

Address: Kawasaki, Japan

Name: Masaru Sawada

Address: Kawasaki, Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU LIMITED

Address: of 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

Information recording and reproducing apparatus and method, and signal decoding circuit

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; or

(b) filed on \_\_\_\_\_,  
Serial No. \_\_\_\_/\_\_\_\_\_;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date June 17, 2002

Signature of inventor Akihiro Yamazaki

Akihiro Yamazaki

Date June 17, 2002

Signature of inventor Takao Sugawara

Takao Sugawara

Date June 17, 2002

Signature of inventor Motomu Takatsu

Motomu Takatsu

Date June 18, 2002

Signature of inventor Masaru Sawada

Masaru Sawada