

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

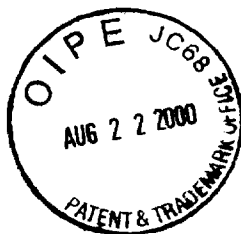
S&H 1/99

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

1. Name of conveying party(ies):

FUJITSU LIMITED
1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588
Japan

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

FUKUDA DENSHI CO., LTD.
39-4, Hongo 3-chome
Bunkyo-ku, Tokyo 113-8483
JAPAN

09-26-2000



101471903

3. Nature of conveyance:

<input type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input checked="" type="checkbox"/>	Other: <u>Re-submission of Assignment for recordation, previously submitted May 5, 2000, including additional fee in the</u>		

amount of \$1,010 not previously submittedExecution Date(s): Assignment March 17, 2000

4. Application number(s) or patent number(s):

This document is being filed together with a new application:

- (a) The execution date(s) of the application is/are:
(b) The title is:
*** OR ***

This document is being filed after filing of the application:

- (a) Patent Application No(s).

08/935,960
08/892,242
08/974,517
09/257,495
09/257,496

Date of Filing

July 31, 1997
July 14, 1997
July 31, 1997
February 25, 1999
February 25, 1999

- (b) Patent No(s)

4,434,661
4,434,658
4,414,850
4,413,520
4,541,437
4,566,460
4,757,715
4,693,319
4,790,321
4,866,613
4,825,115
4,992,989
5,138,187
5,265,614
5,042,491
5,105,816
5,350,964
5,224,480
5,243,987
5,215,093
5,375,470
5,353,797
5,235,983
5,203,336
5,228,007
5,383,464
5,217,017
5,273,045
5,318,027
5,355,887
5,882,557

Issue Date

March 6, 1984
March 6, 1984
November 15, 1983
November 8, 1983
September 17, 1985
January 28, 1986
July 19, 1988
September 15, 1987
December 13, 1988
September 12, 1989
April 25, 1989
February 12, 1991
August 11, 1992
November 30, 1993
August 27, 1991
April 21, 1992
September 27, 1994
July 6, 1993
September 14, 1993
June 1, 1993
December 27, 1994
October 11, 1994
August 17, 1993
April 20, 1993
July 13, 1993
January 24, 1995
June 8, 1993
December 28, 1993
June 7, 1994
October 18, 1994
March 16, 1999

09/22/2000 GTON11 00000165 08935960
1000.00 OP
10.00 OP
101 FC:581
102 FC:998

PATENT

REEL: 011072 FRAME: 0190

5,388,582
Patent
5,485,561
5,494,040
5,575,291
5,343,864
5,677,707
5,542,426
5,640,959
5,462,058
5,630,416
5,524,628
5,588,433
5,709,211
5,660,179
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5,582,174
5,469,850
5,758,649
5,718,228
5,855,558
5,897,499
5,855,556
5,908,390
5,910,116

February 14, 1995
Issue Date
January 16, 1996
February 27, 1996
November 19, 1996
September 6, 1994
October 14, 1997
August 6, 1996
June 24, 1997
October 31, 1995
May 20, 1997
June 11, 1996
December 31, 1996
January 20, 1998
August 26, 1997
June 24, 1997
December 10, 1996
November 28, 1995
June 2, 1998
February 17, 1998
January 5, 1999
April 27, 1999
January 5, 1999
June 1, 1999
June 8, 1999

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

STAAS & HALSEY LLP
Attention: James D. Halsey, Jr.
700 Eleventh Street, N.W.
Suite 500
Washington, D.C. 20001

Our Docket: 1478.4001 (JDH)

6. Total number of applications and patents involved: 60

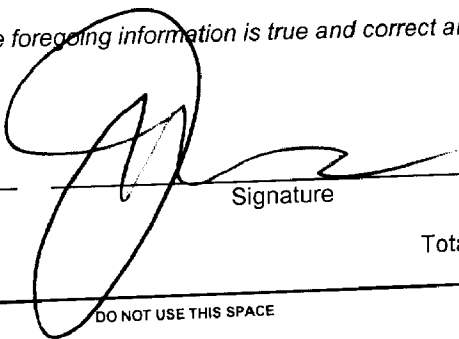
7. Total fee (37 CFR 3.41).....\$2,400 (less \$1,390.00 previously paid) submitted herewith **\$1,010**

 X Enclosed
 Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

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.

James D. Halsey, Jr., Reg. No. 22,729
Name of Person Signing


Signature

August 22, 2000
Date

Total number of pages including cover sheet: 5

DO NOT USE THIS SPACE

ASSIGNMENT

WHEREAS, **FUJITSU LIMITED**, a corporation of Japan, residing at 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan (hereinafter "**ASSIGNOR**"), as the sole and exclusive owner by assignment of the following United States patents and patent applications, entered into a contract and agreement dated March 19, 1999 to sell and transfer ownership of said patents and patent applications as will be described hereinafter.

U.S. PATENTS

<u>PATENT NUMBER</u>	<u>DATE OF ISSUANCE</u>
4,434,661	March 6, 1984
4,434,658	March 6, 1984
4,414,850	November 15, 1983
4,413,520	November 8, 1983
4,541,437	September 17, 1985
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4,866,613	September 12, 1989
4,825,115	April 25, 1989
4,992,989	February 12, 1991
5,138,187	August 11, 1992
5,265,614	November 30, 1993
5,042,491	August 27, 1991
5,105,816	April 21, 1992
5,350,964	September 27, 1994
5,224,480	July 6, 1993
5,243,987	September 14, 1993
5,215,093	June 1, 1993
5,375,470	December 27, 1994
5,353,797	October 11, 1994
5,235,983	August 17, 1993
5,203,336	April 20, 1993
5,228,007	July 13, 1993
5,383,464	January 24, 1995
5,217,017	June 8, 1993
5,273,045	December 28, 1993
5,318,027	June 7, 1994
5,355,887	October 18, 1994
5,882,557	March 16, 1999
5,388,582	February 14, 1995

5,485,561
PATENT

January 16, 1996
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June 1, 1999
June 8, 1999

U.S. PATENT APPLICATIONS

APPLICATION SERIAL NUMBER

DATE OF FILING

08/935,960
08/892,242
08/974,517
09/257,495
09/257,496

July 31, 1997
July 14, 1997
July 31, 1997
February 25, 1999
February 25, 1999

With respect to Application 08/892,242, it is noted that there is an associated divisional application 09/288,700 which is excluded from the terms of this Assignment and which contains subject matter which will continue to be owned by ASSIGNOR, FUJITSU LIMITED, including patents, divisionals and continuation applications based thereon.

WHEREAS, **FUKUDA DENSHI CO., LTD.**, a corporation of Japan, residing at 39-4, Hongo 3-chome, Bunkyo-ku, Tokyo 113-8483, Japan (hereinafter "**ASSIGNEE**"), desirous of

acquiring the right, title and interest in, to and under said Patents and Patent Applications and the inventions covered thereby, by contract and agreement dated March 19, 1999 acquired said patents and patent applications and the inventions covered thereby.

NOW, THEREFORE, in consideration of and in exchange of the sum of One Dollar (\$1.00) and other good and valuable consideration in accordance with the terms of the aforesaid contract and agreement dated March 19, 1999, **ASSIGNOR**, effective March 19, 1999, the date of entering into said contract and agreement with **ASSIGNEE**, as noted above, has sold, assigned, transferred and set over to **ASSIGNEE** the patents, applications and inventions, and does sell, assign, transfer and set over to **ASSIGNEE** the patents, applications and inventions aforesaid, and any continuations, divisionals and reissues thereof, except application 09/288,700, as noted above, the same to be held and enjoyed by **ASSIGNEE** for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, to the end of the term or terms of said patents and patents to issue on said patent applications, or may be granted or reissued as fully and entirely as the same would have been held and enjoyed by **ASSIGNOR**, if this assignment and sale had not been made; together with all claims for damages by reason of past infringement of said patents, with the right to sue for and collect damages for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives.


ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said inventions resulting from said applications and any continuations, divisionals and reissues thereof to **ASSIGNEE**, as the assignee of the entire interest, and hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herein.

This Agreement is effective March 19, 1999, corresponding to the date of the contract and agreement between **ASSIGNOR** and **ASSIGNEE**, as described above.

Date: March 17, 2000

FUJITSU LIMITED

Attest:

By: 
NAOYUKI AKIKUSA
President

Attest: