

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Fujitsu Limited	07/01/2005

RECEIVING PARTY DATA

Name:	Sharp Kabushiki Kaisha
Street Address:	22-22, Nagaike-cho
Internal Address:	Abeno-ku, Osaka-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	545-8522

PROPERTY NUMBERS Total: 45

Property Type	Number
Patent Number:	6156662
Patent Number:	6287944
Patent Number:	6335266
Patent Number:	6469769
Patent Number:	6566754
Patent Number:	6628349
Patent Number:	6677222
Patent Number:	6692999
Patent Number:	6737672
Patent Number:	6861328
Patent Number:	6884666
Patent Number:	6821343
Patent Number:	5232674
Patent Number:	5276010

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Patent Number:	5231077
Patent Number:	5407845
Patent Number:	5462885
Patent Number:	5496752
Patent Number:	5496749
Patent Number:	5505157
Patent Number:	5641353
Patent Number:	5429983
Patent Number:	5620924
Patent Number:	5900646
Patent Number:	5990555
Patent Number:	5970369
Patent Number:	6255148
Patent Number:	6660085
Patent Number:	6582996
Patent Number:	5241209
Patent Number:	5619159
Patent Number:	5728592
Patent Number:	5994173
Patent Number:	6130456
Patent Number:	6222515
Patent Number:	6767773
Patent Number:	6198132
Patent Number:	6808963
Application Number:	10280848
Application Number:	10316434
Application Number:	10790875
Application Number:	11093845
Application Number:	10315628
Application Number:	10419760
Application Number:	10734251

CORRESPONDENCE DATA

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NAME OF SUBMITTER:

Patrick G. Burns

Total Attachments: 4

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PATENT ASSIGNMENT

WHEREAS, **FUJITSU LIMITED**, a corporation of Japan, of 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan (hereinafter "ASSIGNOR"), is the sole and exclusive owner by assignment of the U.S. Patents Applications identified in Exhibit A hereto and the U.S. Patents identified in Exhibit B hereto.

WHEREAS, **SHARP KABUSHIKI KAISHA**, a corporation of Japan, of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan, (hereinafter "ASSIGNEE"), is desirous of acquiring the right, title and interest in, to and under said U.S. Applications (Exhibit A) and U.S. Patents (Exhibit B) and the inventions covered thereby.

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to it in hand paid by ASSIGNEE and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, to ASSIGNEE, the inventions, patents and patent applications aforesaid, and any continuations, divisionals and reissues thereof, 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 or legal representatives, to the end of the term or terms for which the said patents are or may be granted or reissued.

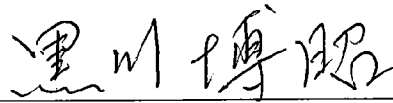
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to ASSIGNEE as assignee of the entire interest conveyed herein, 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 herewith.

IN WITNESS WHEREOF, FUJITSU LIMITED has caused this Patent Assignment to be executed by its duly authorized officer on this 1st day of July 2005.

FUJITSU LIMITED

Date: July 1, 2005

By:



Name: Hiroaki KUROKAWA

Title: President

Exhibit A

	Serial Number	Filing Date	Attorney Ref No.	Fujitsu Ref No.
1	10/280,848	2002/10/25	1324.67051	01-41501
2	10/316,434	2002/12/11	1324.67136	01-41521
3	10/790,875	2004/3/2	1117.69877	02-41863
4	11/093,845	2005/3/30	1111.72802	02-41921
5	10/315,628	2002/12/10	1612.67182	99-01137B
6	10/419,760	2003/4/22	001077A	97-08333Q
7	10/734,251	2003/12/15	1071.1051	01-40537

Exhibit B

	Patent Number	Issue Date	Attorney Ref No.	Fujitsu Ref No.
1	6,156,662	2000/12/5	941.62975	97-07758
2	6,287,944	2001/9/11	1612.63242	98-02910
3	6,335,266	2002/1/1	1612.64076	97-04174B
4	6,469,769	2002/10/22	1324.65598	98-05119
5	6,566,754	2003/5/20	1612.65704	98-02910B
6	6,628,349	2003/9/30	1612.64711	99-01137
7	6,677,222	2004/1/13	1612.64653	99-00324
8	6,692,999	2004/2/17	1508.66086	01-40658
9	6,737,672	2004/5/18	1117.65772	00-40752
10	6,861,328	2005/3/1	1117.67095	00-40752B
11	6,884,666	2005/4/26	1612.68205	99-01137C
12	6,821,343	2004/11/23	1117.67096	00-40752C
13	5,232,674	1993/8/3	P353-2044	89P11616
14	5,276,010	1994/1/4	AM910208	90P01359
15	5,231,077	1993/7/27	AM911262	90P07535
16	5,407,845	1995/4/18	P3329-698	92-05760
17	5,462,885	1995/10/31	A930753A	92-05760B
18	5,496,752	1996/3/5	A930753B	92-05760C
19	5,496,749	1996/3/5	A930753C	92-05760D
20	5,505,157	1996/4/9	A940379	93-08295
21	5,641,353	1997/6/24	A940379	93-08295B
22	5,429,983	1995/7/4	A940736	93-09181
23	5,620,924	1997/4/15	A940736A	93-09181B
24	5,900,646	1999/5/4	A940736B	93-09181C
25	5,990,555	1999/11/23	AH960897	95-09350
26	5,970,369	1999/10/19	KH971303	97-02059
27	6,255,148	2001/7/3	A990628	97-08333
28	6,660,085	2003/12/9	A990628A	97-08333B
29	6,582,996	2003/6/24	A001077	97-08333P
30	5,241,209	1993/8/31	522.1685	90P07295
31	5,619,159	1997/4/8	522.1749	91P00085
32	5,728,592	1998/3/17	1077.1006-D	92-16926B
33	5,994,173	1999/11/30	1077.1006-DD	92-16926C
34	6,130,456	2000/10/10	1077.1006	92-16926
35	6,222,515	2001/4/24	522.1721	90P10891
36	6,767,773	2004/7/27	1450.1021	01-40815
37	6,198,132	2001/3/6	A980307	97-00388
38	6,808,963	2004/10/26	980307A	97-00388B