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U.S. DEPARTMENT OF COMMERCE

R SHEET

Patent and Trademark Office

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

1. Name of conveying party(ies):

Atsushi INOUE
Yasuro SHOBATAKE

Additional conveying party(ies) NO

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

KABUSHIKI KAISHA TOSHIBA
72, Horikawa-cho, Saiwai-ku, Kanagawa-ken
Kawasaki-shi, Japan

UC542 U.S. PTO
09/437496
11/16/99

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

November 2, 1999

Additional name(s) & address(es) attached? NO

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

If this is being filed together with a new application, the execution date of the application is: November 2, 1999

A. Patent Application Number(s):

B. Patent Number(s):

09/437496

Additional numbers attached? NO

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

Richard L. Schwaab
FOLEY & LARDNER
Washington Harbour
3000 K Street, N.W., Suite 500
Washington, D.C. 20007-5109

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check Enclosed

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Richard L. Schwaab
Richard L. Schwaab

ASW 34371

November 10, 1999

Name of person signing

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for

Total number of pages including cover sheet, attachments, and document: 2

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PATENT
REEL: 010391 FRAME: 0822

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto **KABUSHIKI KAISHA TOSHIBA**

name and
address of
assignee

72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan
(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of
invention

COMMUNICATION SCHEME FOR REALIZING EFFECTIVE DATA INPUT/ SETUP IN COMPACT SIZE PORTABLE TERMINAL DEVICE USING LOCALLY CONNECTED NEARBY COMPUTER DEVICE

as set forth in his United States Patent Application

check one

executed concurrently herewith

executed on _____

Serial No. _____ Filed _____

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Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS

Name: Atsushi INOUE	Signature: <i>Atsushi Inoue</i>	Date: 02/11/1999
Name: Yasuro SHOBATAKE	Signature: <i>Yasuro Shobatake</i>	Date: 02/11/1999
Name:	Signature:	Date:
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