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FORM PTO-1595
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masanobu HAYAMA

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

FUJITSU TAKAMISAWA COMPONENT LIMITED
3-5, Higashigotanda 2-chome, Shinagawa-ku
Tokyo 141-8630 JAPAN

3. Nature of conveyance:

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other: _____		

Execution Date(s): December 16, 1999

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

04/495308

This document is being filed together with a new application:

(a) The execution date(s) of the application is/are: December 16, 1999(b) The title is: KEYBOARD WITH DETACHABLY ATTACHED UNIT HAVING MULTIMEDIA KEY FUNCTION
*** OR ***

This document is being filed after filing of the application:

(a) Patent Application No(s). _____, filed _____; or

(b) Patent No(s). _____, issued _____.

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

STAAS & HALSEY LLP
Attention: H. J. Staas
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001

Our Docket: 122.1390/HJS

6. Total number of applications and patents involved: 1

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

<input checked="" type="checkbox"/>	Enclosed
<input type="checkbox"/>	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)02/10/2000 HAYES 00000002 09495308
04 FC:581

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.

H. J. Staas, Reg. No. 22,010
Name of Person Signing

Signature

February 1, 2000
DateTotal number of pages comprising cover sheet, attachments, and document: 2

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PATENT
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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

FUJITSU TAKAMISAWA COMPONENT LIMITED

3-5, Higashigotanda 2-chome, Shinagawa-ku,

Tokyo 141-8630, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

KEYBOARD WITH DETACHABLY ATTACHED UNIT HAVING MULTIMEDIA KEY FUNCTION

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____;

(b) filed on _____,
Serial No. _____/_____;

(_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u>Masanobu Hayama</u> (SIGNATURE)	<u>Masanobu Hayama</u> (TYPE NAME)	<u>16 / Dec. / 1999</u> (DATE)
2) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
3) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
4) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)