

PATENT ASSIGNMENT

Electronic Version v07
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST
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CONVEYING PARTY DATA

Name	Execution Date
Yoshinori KATAOKA	2003-09-05
Keitaro KABURAGI	2003-09-05
Tetsuya KIKUCHI	2003-09-05
Hiroshi KAWAMI	2003-09-05

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
PIONEER CORPORATION	4-1, Meguro 1-chome, Meguro-ku,		Tokyo	JAPAN	153-8654

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10645853

CORRESPONDENCE DATA

FAX NUMBER: 2028870357
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 023850

NAME OF PERSON SIGNING:	William G. Kratz Jr.
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DATE SIGNED:	2003-12-17
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Total Attachments: 1
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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
PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

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

(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)

SWITCH DEVICE, DATA-PROCESSING APPARATUS AND PLAYBACK APPARATUS

(*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on August 22, 2003, Serial No. 10/645, 853

(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

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

(Signatures)

<u>Yoshinori Kataoka</u> (Signature)	<u>Yoshinori KATAOKA</u> (Type Name)	<u>Sep. 5, 2003</u> (Date)
<u>KEITARO KABURAGI</u> (Signature)	<u>Keitaro KABURAGI</u> (Type Name)	<u>SEP. 5, 2003</u> (Date)
<u>TETSUYA KIKUCHI</u> (Signature)	<u>Tetsuya KIKUCHI</u> (Type Name)	<u>SEP. 5, 2003</u> (Date)
<u>HIROSHI KAWAMI</u> (Signature)	<u>Hiroshi KAWAMI</u> (Type Name)	<u>SEP. 5, 2003</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED