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Attorney Docket No. 030584



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Conveyance type: Assignment Security Agreement
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Conveying Party (ies): (Last, First, Middle Initial) Execution Date

First party Name: KATO, Sei May 7, 2003

Second party Name:

Third party Name:

Additional name(s) of conveying party(ies) attached? Yes ___ No

Receiving Party (ies):

First party Name: PIONEER CORPORATION

Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

Second party Name:

Address:

Additional name(s) & address(es) attached? Yes ___ No

Domestic Representative Name and Address



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23850

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PATENT

REEL: 014110 FRAME: 0369

Correspondent Name and Address

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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes ___ No XX

A. Patent Application No.(s) B. Patent No.(s)

10,443894

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: May 7, 2003

(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

PCT _____

Enter PCT application number only if

PCT _____

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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.

Mel R. Quintos
Name of Person Signing


Signature

May 23, 2003
Date

31,898
Registration No.

Docket No.

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))

PIONEER CORPORATION
4-1, Meguro 1-chome, Meguro-ku, Tokyo, 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)

RECEIVER, METHOD THEREOF, PROGRAM THEREOF, RECORDING MEDIUM
RECORDING THE PROGRAM, AND COMMUNICATION SYSTEM

(*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 Serial No. (Armstrong, Westerman, Hattori, McLeland & Naughton 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 therefor 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)

Sei Kato (SIGNATURE)

Sei KATO (TYPE NAME)

May 7, 2003 (DATE)

(SIGNATURE)

(TYPE NAME)

(DATE)

(SIGNATURE)

(TYPE NAME)

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NO LEGALIZATION REQUIRED

PATENT