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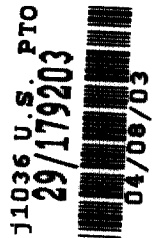
1. Name of conveying party(ies):
Koji NAKANE
Shuji NATORI

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

4.8.03

2. Name and address of receiving party(ies):
PIONEER CORPORATION
4-1, Meguro 1-chome, Meguro-ku, Tokyo, JAPAN

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



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 8, 2003

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: January 8, 2003
A. Patent Application No.(s)
B. Patent No.(s)

29179203

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
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Robert V. Sloan Reg. No. 22,775 April 8, 2003 Date

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PATENT
REEL: 013952 FRAME: 0652

Assignment

Whereas, I/We, Koji Nakane and Shuji Natori of
c/o PIONEER DESIGN CORPORATION, of 4-1,
Meguro 1-chome, Meguro-ku, Tokyo,
Japan, respectively

hereinafter called assignor(s), have invented certain improvements in
Digital audio disc player equipped
with mixing function
and executed an application for Letters Patent of the United States of America therefor on
; and

Whereas, PIONEER CORPORATION, of 4-1,
Meguro 1-chome, Meguro-ku, Tokyo, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

Date: January 8, 2003, s/ Koji Nakane
Koji Nakane

Date: January 8, 2003, s/ Shuji Natori
Shuji Natori

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)