

RECOI

03-17-1999



100984308

Our Ref.: 1767-41

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

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

<p>1. Name of conveying party(ies): Hiroshi NISHIWAKI Hideki HAYASHI</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: February 23, 1999</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: PIONEER ELECTRONIC CORPORATION Internal Address: _____ Street Address: No. 4-1 Meguro 1-chome, Meguro-ku _____</p> <p>City: Tokyo-To State/Country: Japan Zip: _____</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>4. Application number(s) or patent number(s): 09 258 150 If this document is being filed together with a new application, the execution date of the application is: February 23, 1999</p> <table border="0"><tr><td>A. Patent Application No(s). (1) (To Be Assigned) (2) (3)</td><td>B. Patent No(s). (1) (2) (3)</td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				A. Patent Application No(s). (1) (To Be Assigned) (2) (3)	B. Patent No(s). (1) (2) (3)
A. Patent Application No(s). (1) (To Be Assigned) (2) (3)	B. Patent No(s). (1) (2) (3)				
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Arthur R. Crawford Internal Address: _____ Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8th Floor City: Arlington State: VA Zip: 22201</p>		<p>6. Total number of applications & patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>			

DO NOT USE THIS SPACE

03/12/1999 FILED 100984308 09258150

02 FC:561 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.

Arthur R. Crawford
Name of Person Signing
Reg. No. 25,327

Signature

February 26, 1999
Date

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

ASSIGNMENT OF PATENT APPLICATION

(1) Hiroshi NISHIWAKI
 (2) Hideki HAYASHI
 (Inventors) (3) _____ and
 (4) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5) PIONEER ELECTRONIC CORPORATION

(Address) (6) of No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7) _____ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title) (8) APPARATUS FOR REPRODUCING INFORMATION RECORDED ON RECORDING MEDIUM BY SINGLE SPIRAL LAND/GROOVE RECORDING METHOD (Case No. _____)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on February 23, 1999 or has already filed in

(10) U.S. appln. Serial Number _____, filed on _____

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of **NIXON & VANDERHYE P.C.** the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date February 23, 1999 Signature of Inventor (1) Hiroshi Nishiwaki

Date February 23, 1999 Signature of Inventor (2) Hideki Hayashi

Date _____ Signature of Inventor (3) _____

Date _____ Signature of Inventor (4) _____

Witnessed by:

Witness _____ Date _____

Witness _____ Date _____