

ER SHEET

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MRD 9.23 98 Attorney Docket No.: 040782-5042 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. ATTN: BOX ASSIGNMENT 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hiroki KURIBAYASHI and Shogo MIYANABE Name: Pioneer Electronic Corporation Additional name(s) of conveying party(ies) attached? __ Yes Internal Address: X No 0. Nature of conveyance: Street Address: 4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan X Assignment _ Merger __ Security Agreement _ Change of Name City: __ Other____ State: Zip: Execution Date: September 16, 1998 Additional name(s) & address(es) attached? X No Yes 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: September 16, 1998 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached: Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: CUSTOMER NO. 009629 7. Total fee (37 C.F.R §3.41): \$40.00 Name: Mr. Robert J. Gaybrick X Enclosed **Internal Address:** Morgan, Lewis & Bockius LLP __ Authorized to be charged to deposit account 50-0310 **Street Address:** 1800 M Street, N.W. 8. Deposit account number: 50-0310 City: Washington State: D.C. Attach duplicate of page if paying by deposit account **Zip: 20036** 9. 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. John G. Smith September 23, 1998 Name of Person Signing Signature Date 0/02/1**998 JENNARZZ 00000025 091589**25 Total number of pages including cover sheet, attachments and documents: _2

WA01A/202227.1

ATTORNEY DOCKET NO.: 040782-5042

JOINT INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

A CLOCK GENERATOR IN A RECORDED INFORMATION REPRODUCTION APPARATUS

| | United States Letters Patent concurrently herewith: on(Application No | |
|--|---|---|
| Tokyo Japan (hereinafter referred to as Assign | a corporation of <u>Japan</u> , whose post office address is ee), is desirous of securing the entire right, title, and atent on this invention and the Letters Patent to be | d interest in and to this invention, the |
| acknowledged, I/WE, as assignor(s), have so unto the assignee, its lawful successors ar application, and all divisions, and continuation all reissues thereof; and I/WE hereby authorize | for good and valuable consideration the receipt of vald, assigned, transferred, and set over, and do herebed assigns, MY/OUR entire right, title, and interest as thereof, and all Letters Patent of the United States and request the Commissioner of Patents and Tracignee, its successors and assigns, in accordance with | y sell, assign, transfer, and set over in and to this invention and this s which may be granted thereon, and demarks of the United States to issue |
| successors and assigns, any facts known to Mi when called upon to do so, execute and deliver assignee, its successors and assigns, execute al do everything possible to aid assignee, its suc | d agree that I/WE will, without further consideration E/US respecting this invention and testify in any leg all papers that may be necessary or desirable to pe I divisional, continuation, and reissue applications, cessors and assigns, to obtain and enforce proper party my expense incident to the execution of such papers successors and assigns. | al proceeding, sign all lawful papers rfect the title to this invention in said make all rightful oaths and generally atent protection for this invention in |
| application, to insert here in parentheses (A | the attorneys I/WE have empowered in the Declara application No, filed number of said application when known. | _) the filing date and application |
| IN TESTIMO | ONY WHEREOF, I/WE have hereunto set our hand | (s). |
| Full Name of Sole or First Assignor Hiroki KURIBAYASHI | Assignor's Signature Hiroki Kariboyashi | Date 16 / Sep. / 1998. |
| | elopment Laboratory, Pioneer Electronic ne, Tsurugashima-shi, Saitama 350-2288 Japan | Citizenship Japan |
| Full Name of Second Assignor Shogo MIYANABE | Assignor's Signature | Date |
| | Shogo Miyanabe | 16/Sep./1998 |
| Address: c/o Corporate Research and Deve Corporation 1-1, Fujimi 6-chome | | Citizenship Japan |
| Names of ac | ditional inventors attached: [] Yes [x] | No |

Morgan, Lewis & Bockius LLP

PATENT **RECORDED: 09/23/1998 REEL: 9480 FRAME: 0107**