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M COVER SHEET

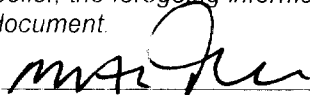
17 SEP 1999

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To the Honorable C

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Record the attached original documents or copy thereof

1. Name of c. Masaki Tsukamoto Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Nippon Columbia Co., Ltd. Internal Address: Street Address: 14-14, Akasaka 4-chome City: Minato-ku State: Zip: 107-8011 Country: Japan Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date(s): 7/22/99			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the Execution date(s) of the new application is (are): 7/22/99 A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Internal Address: Atty. Dkt.: X6560.0065/P065 Attn: Mark J. Thronson Street Address: 2101 L Street NW City: Washington State: DC Zip: 20037 - 1526		6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Credit any overpayment or debit any underpayment 8. Deposit account number: 4 - 1073	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> Mark J. Thronson  September 17, 1999 Signature Date Reg. No. 33,082			
Total number of pages including cover sheet, attachments, and document: 4			

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 22nd day of July, 1999, by

- (a) Masaki TSUKAMOTO
(b) _____
(c) _____, and
(d) _____
(hereinafter and referred to as Assignors), respectively residing at
(e) Mitaka-shi, Tokyo, Japan
(f) _____
(g) _____
(h) _____

WHEREAS, Assignors have invented certain new and useful improvements in DISTORTION DETECTING DEVICE, DISTORTION CORRECTING DEVICE, AND DISTORTION CORRECTING METHOD FOR DIGITAL AUDIO SIGNAL, set forth in an application for Letters Patents of the United States, executed on July 22, 1999, _____, and _____, respectively; or has already been filed as U.S. Application Serial No. _____, filed on _____.

WHEREAS, NIPPON COLUMBIA CO., LTD.,
a corporation organized under and pursuant to the laws of Japan,
14-14, Akasaka 4-chome, Minato-ku,
having its principal place of business at Tokyo 107-8011 Japan
(hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patents of the United States, and in and to any Letters Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right,

title and interest in and to the above-mentioned inventions and application for Letters Patents, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patents in the United States which may be granted therefor and thereon. and reissues, reexaminations and extensions of said Letters Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patents may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patents above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patents and applications for Letters Patents for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patents, or any proceeding in connection with any Letters Patents or applications for Letters Patents for said inventions, including but not limited to interference proceedings, is lawful and desirable;

or, that any division, continuation or continuation-in-part of any application for Letters Patents, or any reissue, reexamination or extension of any Letters Patents, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patents of the United States to Assignee, as Assignee of said inventions and the Letters Patents to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICKSTEIN SHAPIRO MORIN AND OSHINSKY LLP

Gary M. Hoffman, Reg. No. 26,411; Thomas J. D'Amico, Reg. No. 28,371; Donald A. Gregory, Reg. No. 28,954; James W. Brady, Jr., Reg. No. 32,115; Jon D. Grossman, Reg. No. 32,699 and Mark J. Thronson, Reg. No. 33,082.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: July 22, 1999

Assignor Masaki Tsukamoto

Type Name: Masaki TSUKAMOTO

Date: _____

Assignor _____

Type Name: _____

Date: _____

Assignor _____

Type Name: _____

Date: _____

Assignor _____

Type Name: _____

Date: July 22, 1999

Witness Toshio Kaigumi

Date: July 22, 1999

Witness Kazuhiko Nakano