

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kengo HORIKOSHI</td> <td>06/14/2013</td> </tr> <tr> <td>Etsushi YAMAZAKI</td> <td>06/14/2013</td> </tr> <tr> <td>Takayuki KOBAYASHI</td> <td>06/14/2013</td> </tr> <tr> <td>Eiji YOSHIDA</td> <td>06/14/2013</td> </tr> <tr> <td>Yutaka MIYAMOTO</td> <td>06/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kengo HORIKOSHI	06/14/2013	Etsushi YAMAZAKI	06/14/2013	Takayuki KOBAYASHI	06/14/2013	Eiji YOSHIDA	06/14/2013	Yutaka MIYAMOTO	06/14/2013
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>NIPPON TELEGRAPH AND TELEPHONE CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>3-1, Otemachi 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8116</td> </tr> </table>		Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	Street Address:	3-1, Otemachi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8116		
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CORRESPONDENCE DATA													
Fax Number: 2486410270 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 248-641-1600 Email: dlemer@hdp.com Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C. Address Line 1: P.O. BOX 828 Address Line 2: 5259-000175/US/NP Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303													
ATTORNEY DOCKET NUMBER:	5259-000175/US/NP												
NAME OF SUBMITTER:	Devorah Lerner												

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Signature:	/devorahlemer/
Date:	08/01/2013
Total Attachments: 1 source=Assignment_with_serial_number#page1.tif	

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

5259-000175/US/NP

Whereas, I, (1) Kengo HORIKOSHI; (2) Etsushi YAMAZAKI; (3) Takayuki KOBAYASHI; (4) Eiji YOSHIDA; (5) Yutaka MIYAMOTO of (1) to (5) c/o NTT Intellectual Property Center, 9-11, Midori-cho 3-chome, Musashino-shi, Tokyo 180-8585 Japan hereafter referred to as applicant, have invented certain new and useful improvements in

DIGITAL SIGNAL PROCESSING APPARATUS

☐ for which an application for a United States Patent was filed on 1 August 2013

Application Number 13 / 983,233

☐ for which an application for a United States Patent was executed on _____, and

Whereas, NIPPON TELEGRAPH AND TELEPHONE CORPORATION of Japan herein referred to as "assignee" whose post office address is 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8116 Japan is desirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of _____ dollars (\$ _____), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 14th day of June, 20 13, at Tokyo, Japan

Kengo Horikoshi

(Signature) Kengo HORIKOSHI

Etsushi Yamazaki

(Signature) Etsushi YAMAZAKI

Takayuki Kobayashi

(Signature) Takayuki KOBAYASHI

Eiji Yoshida

(Signature) Eiji YOSHIDA

Yutaka Miyamoto

(Signature) Yutaka MIYAMOTO

State of _____) SS:

County of _____)

Before me personally appeared said _____

and acknowledged the foregoing instrument to be his free act and deed this _____ day of _____, 20 _____ Seal (Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

RECORDED: 08/01/2013

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