

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hideki Ohashi	04/17/2006
Kozo Okuda	04/21/2006
Takeo Inoue	04/18/2006
RECEIVING PARTY DATA	
Name:	Sanyo Electric Co., Ltd
Street Address:	2-5-5 Keihanhondori
Internal Address:	Moriguchi-shi
City:	Osaka
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11277200
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	16359-046001
NAME OF SUBMITTER:	Gregory A. Walters
Total Attachments: 3	
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REEL: 017639 FRAME: 0454

ASSIGNMENT

For valuable consideration, we, Hideki OHASHI of Gunma, JAPAN, Kozo OKUDA of Osaka, JAPAN, and Takeo INOUE of Osaka, JAPAN hereby assign to: Sanyo Electric Co., Ltd., a corporation of Japan having a place of business at: 2-5-5, Keihanondori, Moriguchi-shi, Osaka, Japan and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ECHO PREVENTION CIRCUIT, DIGITAL SIGNAL PROCESSING CIRCUIT, METHOD OF SETTING FILTER COEFFICIENTS OF THE ECHO PREVENTION CIRCUIT, METHOD OF SETTING FILTER COEFFICIENTS OF THE DIGITAL SIGNAL PROCESSING CIRCUIT, RECORDING MEDIUM STORING PROGRAM FOR SETTING FILTER COEFFICIENTS OF THE ECHO PREVENTION CIRCUIT, AND RECORDING MEDIUM STORING PROGRAM FOR SETTING FILTER COEFFICIENTS OF THE DIGITAL SIGNAL PROCESSING CIRCUIT, filed 03/22/06, and assigned U.S. Serial Number 11/277,200, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1 Sakata, Oizumi-machi
Ora-gun, Gunma-ken, Japan
this 17 day of Apr., 2006.

Hideki Ohashi L.S.
Hideki OHASHI

WITNESSED BY:

NAME: SHIGEO TANAKA
PLEASE PRINT

DATE: Apr 17, 2006

SIGNATURE: Shigeo Tanaka

NAME: Rika Kogure
PLEASE PRINT

DATE: 4/17/2006

SIGNATURE: Rika Kogure

IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1 Sanyo-cho, Daito-city
Osaka, Japan
this 21 day of Apr, 2006.

Kozo Okuda L.S.
Kozo OKUDA

WITNESSED BY:

NAME: SHIGEO TANAKA
PLEASE PRINT

DATE: Apr 21, 2006

SIGNATURE: Shigeo Tanaka

NAME: Rika Kogure
PLEASE PRINT

DATE: 4/21/2006

SIGNATURE: Rika Kogure

IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1 Sakata, Oizumi-machi
Ora-gun, Gunma-ken, Japan,
this 18 day of Apr, 2006.

Takeo Inoue L.S.
Takeo INOUE

WITNESSED BY:

NAME: SHIGEO TANAKA
PLEASE PRINT

DATE: Apr 18, 2006

SIGNATURE: Shigeo Tanaka

NAME: Rika Kogure
PLEASE PRINT

DATE: 4/18/2006

SIGNATURE: Rika Kogure