

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Rikuo TAKANO	07/14/2009
Kiyoshi SUGIYAMA	07/13/2009
Toshimi FUKUOKA	07/14/2009
Masatoshi ONO	07/14/2009
Ryusuke HORIBE	06/03/2010
Shigeo MAEDA	01/08/2010
Fuminori TANAKA	06/03/2010
Takeshi INODA	06/03/2010
Hideki CHOJI	12/17/2009

RECEIVING PARTY DATA

Name:	Funai Electric Advanced Applied Technology Research Institute Inc.
Street Address:	7-1, Nakagaito 7-chome
City:	Daito-shi, Osaka
State/Country:	JAPAN
Postal Code:	574-0013

Name:	Funai Electric Co., Ltd.
Street Address:	7-1, Nakagaito 7-chome
City:	Daito-shi, Osaka
State/Country:	JAPAN
Postal Code:	574-0013

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12516018

CORRESPONDENCE DATA

501213268

PATENT
REEL: 024581 FRAME: 0379

OP \$40.00 12516018

Fax Number: (202)628-8844

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2026242500

Email: kdavis@crowell.com

Correspondent Name: Crowell & Moring LLP

Address Line 1: P.O. Box 14300

Address Line 2: Intellectual Property Group

Address Line 4: Washington, DISTRICT OF COLUMBIA 200444300

ATTORNEY DOCKET NUMBER:

105457.61653US

NAME OF SUBMITTER:

Jeffrey D. Sanok

Total Attachments: 3

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Funai Electric Advanced Applied Technology Research Institute Inc.
7-1, Nakagaito 7-chome
Daito-shi, Osaka
574-0013 Japan

and

Funai Electric Co., Ltd.
7-1, Nakagaito 7-chome
Daito-shi, Osaka
574-0013 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

Integrated Circuit Device, Voice Input Device and Information Processing System

as set forth in his United States Patent Application (check one):

- ☐ executed concurrently herewith,
☐ executed on _____,
☐ Application No. _____, filed _____,
☒ PCT International Application, No.: PCT/JP2007/072592, filed November 21, 2007,

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **CROWELL & MORING LLP**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Signature:
Inventor one:


Rikuo TAKANO


DATE

Signature:
Inventor two:

Kiyoshi Sugiyama
Kiyoshi SUGIYAMA

July 13, 2009
DATE

Signature:
Inventor three:

Toshimi Fukuoka
Toshimi FUKUOKA

July 14, 2009
DATE

Signature:
Inventor four:

Masatoshi ONO
Masatoshi ONO

July 14, 2009
DATE

Signature:
Inventor five:

Ryusuke HORIBE

DATE

Signature:
Inventor six:

Shigeo MAEDA

DATE

Signature:
Inventor seven:

Fuminori TANAKA

DATE

Signature:
Inventor eight:

Takeshi INODA

DATE

Signature:
Inventor nine:

Hideki CHOJI

DATE

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

Signature: Inventor two:	<u>Kiyoshi SUGIYAMA</u>	<u>DATE</u>
Signature: Inventor three:	<u>Toshimi FUKUOKA</u>	<u>DATE</u>
Signature: Inventor four:	<u>Masatoshi ONO</u>	<u>DATE</u>
Signature: Inventor five:	<u>Ryusuke HORIBE</u>	<u>Jun 3, 2010</u> DATE
Signature: Inventor six:	<u>Shigeo MAEDA</u>	<u>Jan 8, 2010</u> DATE
Signature: Inventor seven:	<u>Fuminori TANAKA</u>	<u>Jun 3, 2010</u> DATE
Signature: Inventor eight:	<u>Takeshi INODA</u>	<u>Jun 3, 2010</u> DATE
Signature: Inventor nine:	<u>Hideki CHOJI</u>	<u>Dec 17, 2009</u> DATE

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