

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Paul Cheng-Po Liang	06/25/2008
Koji Takinami	06/25/2008
RECEIVING PARTY DATA	
Name:	Matsushita Electric Industrial Co.
Street Address:	1006 Oaza Kadoma, Kadoma-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	571-8501
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12176570
CORRESPONDENCE DATA	
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Correspondent Name:	PATENT LAW PROFESSIONALS
Address Line 1:	P.O. BOX 612407
Address Line 4:	SAN JOSE, CALIFORNIA 95161
ATTORNEY DOCKET NUMBER:	80-043US
NAME OF SUBMITTER:	William E. Winters
Total Attachments: 3 source=80-043US_Assignment#page1.tif source=80-043US_Assignment#page2.tif source=80-043US_Assignment#page3.tif	

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PATENT
REEL: 021263 FRAME: 0497

ASSIGNMENT

WHEREAS, we, Paul Cheng-Po Liang and Koji Takinami, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: SIGNAL DECOMPOSITION METHODS AND
 APPARATUS FOR MULTI-MODE
 TRANSMITTERS

Dates of Execution of June 25, 2008
Declarations:

Application No: 12/176,570

Filing Date: July 21, 2008; and

WHEREAS, Matsushita Electric Industrial Co., a company having a principal place of business at 1006 Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan, hereinafter referred to as "Assignee," is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to any and all Letters Patent(s) to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors do sell, assign, transfer and set over unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent(s) to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and Assignors hereby authorize and request the Commissioner for Patents and Trademarks to issue said Letters Patent(s) to Assignee, its successors and assigns, in accordance with this Assignment.

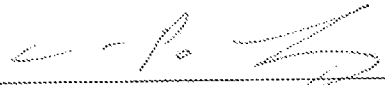
Assignors further agree to, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patents for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Patent Law Professionals, 1762 Technology Drive, Suite 112, San Jose, CA 95110, to insert herein above the dates of execution of declarations, the application number and filing date of said application, when known.

ASSIGNMENT (CONTINUED)

Re: SIGNAL DECOMPOSITION METHODS AND APPARATUS FOR MULTI-MODE TRANSMITTERS

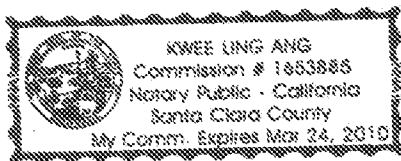
Inventor (Assignor): Paul Cheng-Po Liang

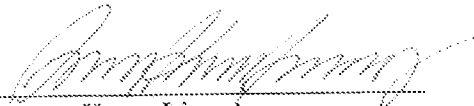
Signature:  Date: June 25, 2008
Paul Cheng-Po Liang

STATE OF CALIFORNIA)
)ss.
COUNTY OF SANTA CLARA)

On this 25th day of June, 2008 before me, Kwee Ling Ang,
a Notary Public, appeared Paul Cheng-Po Liang, personally known to me (or proved to
me on the basis of satisfactory evidence) to be the person whose name is subscribed to
the within instrument and acknowledged to me that he executed the same in his
authorized capacities, and that by his signature on the instrument the person or the entity
upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




Kwee Ling Ang

ASSIGNMENT (CONTINUED)

Re: SIGNAL DECOMPOSITION METHODS AND APPARATUS FOR MULTI-MODE TRANSMITTERS

Inventor (Assignor): Koji Takinami

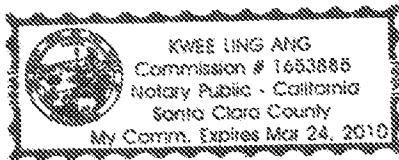
Signature: Koji Takinami
Koji Takinami

Date: June 25, 2008

STATE OF CALIFORNIA)
)ss.
COUNTY OF SANTA CLARA)

On this 25th day of June, 2008 before me, Kwee Ling Ang, a Notary Public, appeared Koji Takinami, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacities, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Kwee Ling Ang
Kwee Ling Ang