

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUTAKA MURAKAMI	01/20/2004
MASAYUKI ORIHASHI	01/21/2004
AKIHIKO MATSUOKA	01/20/2004
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PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	13153731
Application Number:	13839910
Application Number:	14535365
Application Number:	15494666
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SIGNATURE:	/John R. Lastova/
DATE SIGNED:	11/10/2017
Total Attachments: 2	

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No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s)

ASSIGNOR(s)/
INVENTOR(s)

1. Yutaka Murakami
2. Masayuki Orihashi
3. Akihiko Matsuoka

has made an invention entitled: COMMUNICATION METHOD AND RADIO COMMUNICATION APPARATUS

and has executed an application for Letters Patent of the United States concurrently herewith;

ASSIGNEE
(Full Name
and address)

WHEREAS, the ASSIGNEE

Matsushita Electric Industrial Co., Ltd.

1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the

invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

(Typed or Printed Name)	(Signature)	(Date)
1. Yutaka Murakami	<u>Yutaka Murakami</u>	<u>January 20, 2004</u>
2. Masayuki Orihashi	<u>Masayuki Orihashi</u>	<u>January 21, 2004</u>
3. Akihiko Matsuoka	<u>Akihiko Matsuoka</u>	<u>January 20, 2004</u>

PCT International Application No. PCT/IP02/11825 Filed: November 13, 2002

Application for United States Letters Patent

Serial No. _____ Filed _____

Attorney Docket No. MAT-8502US

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