

## 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>Masafumi IWAKI</td><td>07/30/2009</td></tr><tr><td>Tokihiro NISHIHARA</td><td>07/30/2009</td></tr><tr><td>Shinji TANIGUCHI</td><td>07/30/2009</td></tr><tr><td>Takeshi SAKASHITA</td><td>07/30/2009</td></tr><tr><td>Tsuyoshi YOKOYAMA</td><td>07/30/2009</td></tr><tr><td>Motoaki HARA</td><td>07/30/2009</td></tr><tr><td>Masanori UEDA</td><td>08/03/2009</td></tr></tbody></table>		Name	Execution Date	Masafumi IWAKI	07/30/2009	Tokihiro NISHIHARA	07/30/2009	Shinji TANIGUCHI	07/30/2009	Takeshi SAKASHITA	07/30/2009	Tsuyoshi YOKOYAMA	07/30/2009	Motoaki HARA	07/30/2009	Masanori UEDA	08/03/2009
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<table border="1"><tr><td>Name:</td><td>FUJITSU LIMITED</td></tr><tr><td>Street Address:</td><td>1-1, Kamikodanaka 4-chome, Nakahara-ku</td></tr><tr><td>City:</td><td>Kawasaki-shi, Kanagawa</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>211-8588</td></tr></table>		Name:	FUJITSU LIMITED	Street Address:	1-1, Kamikodanaka 4-chome, Nakahara-ku	City:	Kawasaki-shi, Kanagawa	State/Country:	JAPAN	Postal Code:	211-8588						
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CORRESPONDENCE DATA																	
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PATENT  
REEL: 023371 FRAME: 0259

NAME OF SUBMITTER:

Anthony R. Morris

Total Attachments: 2

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# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

FILTER, DUPLEXER, AND COMMUNICATION APPARATUS

relating to International Patent Application PCT/JP \_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_

Serial No. \_\_\_\_\_

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Masafumi Iwaki</u> (Signature)	<u>Masafumi IWAKI</u> (Type Name)	<u>July 30, 2009</u> (Date)
2) <u>Tokihiro Nishihara</u> (Signature)	<u>Tokihiro NISHIHARA</u> (Type Name)	<u>July 30, 2009</u> (Date)
3) <u>Shinji Taniguchi</u> (Signature)	<u>Shinji TANIGUCHI</u> (Type Name)	<u>July 30, 2009</u> (Date)
4) <u>Takeshi Sakashita</u> (Signature)	<u>Takeshi SAKASHITA</u> (Type Name)	<u>July 30, 2009</u> (Date)
5) <u>Tsuyoshi Yokoyama</u> (Signature)	<u>Tsuyoshi YOKOYAMA</u> (Type Name)	<u>July 30, 2009</u> (Date)

6) Motoaki Hara  
(Signature)

Motoaki HARA  
(Type Name)

July. 30. 2009  
(Date)

7) M. Ueda  
(Signature)

Masanori UEDA  
(Type Name)

Aug. 3, 2009  
(Date)