

PATENT ASSIGNMENT COVER SHEET

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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>JOACHIM LOEHR</td> <td>09/23/2013</td> </tr> <tr> <td>HIDETOSHI SUZUKI</td> <td>09/20/2013</td> </tr> <tr> <td>TAKASHI TAMURA</td> <td>09/24/2013</td> </tr> <tr> <td>MARTIN FEUERSAENGER</td> <td>09/30/2013</td> </tr> <tr> <td>CHRISTIAN WENGERTER</td> <td>09/20/2013</td> </tr> <tr> <td>TAKAHISA AOYAMA</td> <td>09/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	JOACHIM LOEHR	09/23/2013	HIDETOSHI SUZUKI	09/20/2013	TAKASHI TAMURA	09/24/2013	MARTIN FEUERSAENGER	09/30/2013	CHRISTIAN WENGERTER	09/20/2013	TAKAHISA AOYAMA	09/24/2013
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TAKAHISA AOYAMA	09/24/2013														
RECEIVING PARTY DATA															
Name:	PANASONIC CORPORATION														
Street Address:	1006, OAZA KADOMA, KADOMA-SHI														
City:	OSAKA														
State/Country:	JAPAN														
Postal Code:	571-8501														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14002636</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14002636										
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Application Number:	14002636														
CORRESPONDENCE DATA															
Fax Number:	(206)682-6031														
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ATTORNEY DOCKET NUMBER:	736156.424USPC														

NAME OF SUBMITTER:	SHOKO I. LEEK
Signature:	/Shoko Leek/
Date:	02/04/2014
Total Attachments: 6 source=736156_424USPC_Assignment#page1.tif source=736156_424USPC_Assignment#page2.tif source=736156_424USPC_Assignment#page3.tif source=736156_424USPC_Assignment#page4.tif source=736156_424USPC_Assignment#page5.tif source=736156_424USPC_Assignment#page6.tif	

ASSIGNMENT

WHEREAS, we, Joachim Loehr, Hidetoshi Suzuki, Takashi Tamura, Martin Feuersaenger Christian Wengertter and Takahisa Aoyama (hereinafter referred to as ASSIGNORS), having a mailing address of c/o Panasonic R & D Center Germany GmbH, Monzastrasse 4C, Langen, Germany 63225; c/o Panasonic Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan, 571-8501; c/o Panasonic Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan, 571-8501; c/o Panasonic R & D Center Germany GmbH, Monzastrasse 4C, Langen, Germany 63225, c/o Panasonic R & D Center Germany GmbH, Monzastrasse 4C, Langen, Germany 63225 and c/o Panasonic Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan, 571-8501, respectively, are the joint inventors of an invention entitled "PROPAGATION DELAY DIFFERENCE REPORTING FOR MULTIPLE COMPONENT CARRIERS," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 14,002,636; which application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/EP2011/06105, accorded an International Filing Date of December 6, 2011;

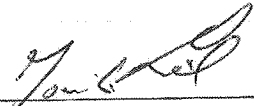
WHEREAS, Panasonic Corporation (hereinafter referred to as ASSIGNEE), having a usual place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan 571-8501, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United


International Application No.: PCT/EP2011/06105
U.S. Application No.: 14/002,636

States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

23 Sept 2013
Date


Joachim Loehr

20 Sept 2013
Date


Hidetoshi Suzuki

Date

Takashi Tamura

Date

Martin Feuersaenger

Date

Christian Wengerter

instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

Joachim Loehr

Date

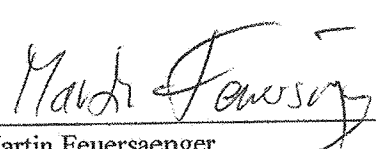
Hidetoshi Suzuki

Date

Takashi Tamura

09/30/2013

Date



Martin Feuersaenger

Date

Christian Wengerter

International Application No.: PCT/EP2011/06105
U.S. Application No.: 14/002,636

States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

Joachim Loehr

Date

Hidetoshi Suzuki

Date

Sep. 24, 2013

Takashi Tamura

Takashi Tamura

Date

Martin Feuersaenger

Date

Christian Wengerter

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Date

Joachim Loehr

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Hidetoshi Suzuki

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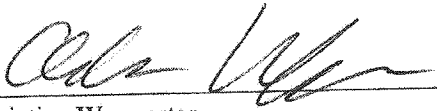
Takashi Tamura

Date

Martin Feuersaenger

20.09.2013

Date



Christian Wengert

International Application No.: PCT/EP2011/06105
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 Sep. 24, 2013
Date

 Takahisa Aoyama
Takahisa Aoyama

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