

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Zengyi LU</td> <td>04/15/2012</td> </tr> <tr> <td>Yongfa ZHU</td> <td>04/16/2012</td> </tr> <tr> <td>Yadong BAI</td> <td>04/16/2012</td> </tr> <tr> <td>Wei CHEN</td> <td>04/15/2012</td> </tr> <tr> <td>Zhaoguo JIN</td> <td>04/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zengyi LU	04/15/2012	Yongfa ZHU	04/16/2012	Yadong BAI	04/16/2012	Wei CHEN	04/15/2012	Zhaoguo JIN	04/16/2012
Name	Execution Date												
Zengyi LU	04/15/2012												
Yongfa ZHU	04/16/2012												
Yadong BAI	04/16/2012												
Wei CHEN	04/15/2012												
Zhaoguo JIN	04/16/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Huawei Technologies Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building</td> </tr> <tr> <td>Internal Address:</td> <td>Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen, Guangdong</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>518129</td> </tr> </table>		Name:	Huawei Technologies Co., Ltd.	Street Address:	Huawei Administration Building	Internal Address:	Bantian, Longgang District	City:	Shenzhen, Guangdong	State/Country:	CHINA	Postal Code:	518129
Name:	Huawei Technologies Co., Ltd.												
Street Address:	Huawei Administration Building												
Internal Address:	Bantian, Longgang District												
City:	Shenzhen, Guangdong												
State/Country:	CHINA												
Postal Code:	518129												
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>13451381</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13451381								
Property Type	Number												
Application Number:	13451381												
CORRESPONDENCE DATA													
Fax Number: 4692775901 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 469-277-5700 Email: uspatent@huawei.com Correspondent Name: Huawei Technologies Co., Ltd. Address Line 1: Huawei Administration Building Address Line 2: Bantian, Longgang District Address Line 4: Shenzhen, Guangdong, CHINA 518129													
ATTORNEY DOCKET NUMBER:	81417709US08												

NAME OF SUBMITTER:

LiQiong Tian

Total Attachments: 12

source=81417709US08-asg#page1.tif
source=81417709US08-asg#page2.tif
source=81417709US08-asg#page3.tif
source=81417709US08-asg#page4.tif
source=81417709US08-asg#page5.tif
source=81417709US08-asg#page6.tif
source=81417709US08-asg#page7.tif
source=81417709US08-asg#page8.tif
source=81417709US08-asg#page9.tif
source=81417709US08-asg#page10.tif
source=81417709US08-asg#page11.tif
source=81417709US08-asg#page12.tif

ASSIGNMENT

WHEREAS, WE,

Zengyi LU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yongfa ZHU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yadong BAI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Wei CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Zhaoguo JIN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
MAGNETIC INTEGRATION DOUBLE-ENDED CONVERTER
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on April 19, 2012, under U.S. Application No. 13451381 and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional

In re Appln. of Lu et al.
Attorney Docket No. _____

consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date April 15, 2012

Zengyi LU
Zengyi LU

Date April 15, 2012

CWEN LOVG
Witness

Date April 15, 2012

Changhui WU
Witness

Date _____

Yongfa ZHU

Date _____

Witness

Date _____

Witness

Date _____

Yadong BAI

Date _____

Witness

Date _____

Witness

In re Appln. of Lu et al.
Attorney Docket No. _____

Date _____

Wei CHEN

Date _____

Witness

Date _____

Witness

Date _____

Zhaoguo JIN

Date _____

Witness

Date _____

Witness

ASSIGNMENT

WHEREAS, WE,

Zengyi LU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yongfa ZHU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yadong BAI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Wei CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Zhaoguo JIN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
MAGNETIC INTEGRATION DOUBLE-ENDED CONVERTER
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on April 19, 2012, under U.S. Application No. 13451381 and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration
Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter
referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and
interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of
which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's
legal representatives, successors and assigns the full and exclusive rights in and to the invention
in the U.S. and every foreign country and the entire right, title, and interest in and to the patent
application and other such applications (e.g., provisional applications, non-provisional
applications, continuations, continuations-in-part, divisionals, reissues, reexaminations,
National phase applications, including petty patent applications, and utility model applications)
that may be filed in the United States and every foreign country on the invention, and the
patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon,
and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to
the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing
date and application number of the application if the date and number are unavailable at the
time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any
writing or do any act whatsoever conflicting with the terms of this assignment document set
forth herein, and that we will at any time upon request, without further or additional

In re Appln. of Lu et al.
 Attorney Docket No. _____

consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date _____ Zengyi LU

Date _____ Witness

Date _____ Witness

Date April 16, 2012 Yongfa ZHU
 Yongfa ZHU

Date April 16, 2012 Changzhong HAN
 Changzhong HAN
 Witness

Date April 16, 2012 Hegian YANG
 Hegian YANG
 Witness

Date April 16, 2012 Yadong BAI
 Yadong BAI

Date April 16, 2012 Lin YANG
 Lin YANG
 Witness

Date April 16, 2012 Xuequan YU
 Xuequan YU
 Witness

In re Appln. of Lu et al.
Attorney Docket No. _____

Date _____

Wei CHEN

Date _____

Witness

Date _____

Witness

Date _____

Zhaoguo JIN

Date _____

Witness

Date _____

Witness

ASSIGNMENT

WHEREAS, WE,

Zengyi LU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yongfa ZHU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yadong BAI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Wei CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Zhaoguo JIN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
MAGNETIC INTEGRATION DOUBLE-ENDED CONVERTER
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on April 19, 2012, under U.S. Application No. 13451381 and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration
Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter
referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and
interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of
which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's
legal representatives, successors and assigns the full and exclusive rights in and to the invention
in the U.S. and every foreign country and the entire right, title, and interest in and to the patent
application and other such applications (e.g., provisional applications, non-provisional
applications, continuations, continuations-in-part, divisionals, reissues, reexaminations,
National phase applications, including petty patent applications, and utility model applications)
that may be filed in the United States and every foreign country on the invention, and the
patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon,
and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to
the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing
date and application number of the application if the date and number are unavailable at the
time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any
writing or do any act whatsoever conflicting with the terms of this assignment document set
forth herein, and that we will at any time upon request, without further or additional

In re Appln. of Lu et al.
Attorney Docket No. _____

consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date _____
Zengyi LU

Date _____
Witness

Date _____
Witness

Date _____
Yongfa ZHU

Date _____
Witness

Date _____
Witness

Date _____
Yadong BAI

Date _____
Witness

Date _____
Witness

In re Appln. of Lu et al.
Attorney Docket No. _____

Date April 15, 2012

Wei CHEN

Wei CHEN

Date April 15, 2012

Jiannong HE

Witness

Date April 15, 2012

Yu ZHANG

Witness

Date _____

Zhaoguo JIN

Date _____

Witness

Date _____

Witness

PATENT

REEL: 029002 FRAME: 0085

ASSIGNMENT

WHEREAS, WE,

Zengyi LU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yongfa ZHU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Yadong BAI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Wei CHEN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Zhaoguo JIN
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
MAGNETIC INTEGRATION DOUBLE-ENDED CONVERTER
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on April 19, 2012, under U.S. Application No. 13451381 and

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration
Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter
referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and
interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of
which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's
legal representatives, successors and assigns the full and exclusive rights in and to the invention
in the U.S. and every foreign country and the entire right, title, and interest in and to the patent
application and other such applications (e.g., provisional applications, non-provisional
applications, continuations, continuations-in-part, divisionals, reissues, reexaminations,
National phase applications, including petty patent applications, and utility model applications)
that may be filed in the United States and every foreign country on the invention, and the
patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon,
and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to
the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing
date and application number of the application if the date and number are unavailable at the
time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any
writing or do any act whatsoever conflicting with the terms of this assignment document set
forth herein, and that we will at any time upon request, without further or additional

In re Appln. of Lu et al.
Attorney Docket No. _____

consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date _____
Zengyi LU

Date _____
Witness

Date _____
Witness

Date _____
Yongfa ZHU

Date _____
Witness

Date _____
Witness

Date _____
Yadong BAI

Date _____
Witness

Date _____
Witness

In re Appln. of Lu et al.
Attorney Docket No. _____

Date _____

Wei CHEN

Date _____

Witness

Date _____

Witness

Date April 16, 2012

Zhaoguo JIN
Zhaoguo JIN

Date April 16, 2012

Yongjie Sun
Witness

Date April 16, 2012

Haojun CHEN
Witness