

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7149384

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QINGCHAO LUO	12/05/2016
LEI ZHANG	10/19/2018
RECEIVING PARTY DATA	
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	
Property Type	Number
Application Number:	16890642
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(312) 616-5600
Email:	assignments@leydig.com
Correspondent Name:	LEYDIG, VOIT & MAYER, LTD.
Address Line 1:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 2:	180 NORTH STETSON AVENUE
Address Line 4:	CHICAGO, ILLINOIS 60601-6731
ATTORNEY DOCKET NUMBER:	HW749426
NAME OF SUBMITTER:	LAURA BERNDT
SIGNATURE:	/Laura Berndt/
DATE SIGNED:	01/31/2022
Total Attachments: 5	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5203667

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	QINGCHAO LUO	12/05/2016
	LEI ZHANG	10/19/2018
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CO., LTD.	
Street Address:	HUAWEI ADMINISTRATION BUILDING	
Internal Address:	BANTIAN, LONGGANG DISTRICT	
City:	SHENZHEN	
State/Country:	CHINA	
Postal Code:	518129	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16114412	
CORRESPONDENCE DATA		
Fax Number:	(972)628-3616	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	972 628 3600	
Email:	patents@munckwilson.com	
Correspondent Name:	DOCKET CLERK/HTCL	
Address Line 1:	P.O. DRAWER 800889	
Address Line 4:	DALLAS, TEXAS 75380	
ATTORNEY DOCKET NUMBER:	HUAW08-68873	
NAME OF SUBMITTER:	ROBERT D. MCCUTCHEON	
SIGNATURE:	/ROBERT D. MCCUTCHEON/	
DATE SIGNED:	10/24/2018	
Total Attachments: 4		
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source=Assignment#page3.tif		
source=Assignment#page4.tif		

PATENT

Attorney Docket No. _____
Client Reference No. 84668873US03

ASSIGNMENT

WHEREAS, WE,

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

Lei ZHANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA.

have invented and own a certain invention entitled:
METHOD FOR ACCESSING SHINGLED MAGNETIC RECORDING SMR DISK, AND
SERVER
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on _____, under U.S. Application No. _____ and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., 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
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 re Appln. of LUO et al.
Attorney Docket No. _____

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

Date Dec 05, 2016

Qingchao LUO
Qingchao LUO

Date _____

Lei ZHANG

PATENT

Attorney Docket No. _____
Client Reference No. 84668873US03

ASSIGNMENT

WHEREAS, WE,

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

Lei ZHANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA.

have invented and own a certain invention entitled:
METHOD FOR ACCESSING SHINGLED MAGNETIC RECORDING SMR DISK. AND
SERVER

for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2018-08-28, under U.S. Application No. 16114412 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., 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
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 re Appln. of LUO et al.
Attorney Docket No. _____

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

Date _____

Qingchao LUO

Date 2018.10.19 _____

Lei ZHANG

Lei ZHANG