506043055 05/04/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6089770

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CLERICAL ERROR MADE TO THE ASSIGNEE'S NAME FROM "HUAWEI TECHNOLOGIES, CO., LTD." TO "HUAWEI TECHNOLOGIES CO., LTD." previously recorded on Reel 052304 Frame 0430. Assignor(s) hereby confirms the ASSIGNMENT IS TO CORRECT THE CLERICAL ERROR MADE TO THE ASSIGNEE'S NAME IN THE COVER SHEET PREVIOUSLY RECORDED ON 04/03/2020.

CONVEYING PARTY DATA

Name	Execution Date
YANCHUN LI	03/02/2020
MENGYAO MA	02/29/2020

RECEIVING PARTY DATA

Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN, LONGGANG DISTRICT,
Internal Address:	GUANGDONG
City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16735038

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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.

Phone: 9727321001

Email: docketing@slatermatsil.com

Correspondent Name: SLATER MATSIL, LLP/HW/FW/HWC Address Line 1: 17950 PRESTON ROAD, SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HW 85459765US08	
NAME OF SUBMITTER:	CINDY STOUTEN	
SIGNATURE:	/Cindy Stouten/	
DATE SIGNED:	05/04/2020	

PATENT REEL: 052560 FRAME: 0601

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Total Attachments: 5

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PATENT REEL: 052560 FRAME: 0602

505998923 04/03/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6045633

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YANCHUN LI	03/02/2020
MENGYAO MA	02/29/2020

RECEIVING PARTY DATA

Name:	HUAWEI TECHNOLOGIES, CO., LTD.
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN
Internal Address:	LONGGANG DISTRICT, GUANGDONG
City:	SHENZHEN
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16735038

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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.

Phone: 972 732 1001

Email: docketing@slatermatsil.com

Correspondent Name: SLATER MATSIL, LLP/HW/FW/HWC **Address Line 1:** 17950 PRESTON ROAD, SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HW 85459765US08	
NAME OF SUBMITTER:	CINDY STOUTEN	
SIGNATURE:	/CINDY STOUTEN/	
DATE SIGNED:	04/03/2020	

Total Attachments: 4

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> PATENT REEL: 052560 FRAME: 0603

Attorney Docket No.
Client Reference No. 85459765US08

ASSIGNMENT

WHEREAS, WE,

Yanchun Li Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and Mengyao Ma Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA;

have invented and own a certain invention entitled:

BEAMFORMING TRAINING METHOD AND APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2020-01-06, under U.S. Application No. 1673\square 1673\square 038 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 Assignce 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 Assignce 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

PATENT REEL: 052560 FRAME: 0604

In re Applin, of Li et al. Attorney Docket No.	
that the foregoing covenant and agreeme and legal representatives of all parties he	ent shall bind, and inure to the benefit of, the assigns creto.
IN WITNESS WHEREOF, We have h	ercunder set our hands on the dates shown below.
Date Mar 2, 2020	Yordun LI
	Yanchun Li
Date	
	Mengyao Ma

PATENT

Attorney Docket No. Client Reference No. 85459765US08

ASSIGNMENT

WHEREAS, WE,

Yanchun Li Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and Mengyao Ma Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA;

have invented and own a certain invention entitled:

BEAMFORMING TRAINING METHOD AND APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2020-01-06, under U.S. Application No. 16735038 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

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In re Appln. of Li et al. Attorney Docket No.	the state of the s
that the foregoing covenant and agreement and legal representatives of all parties hereto	shall bind, and inure to the benefit of, the assigns o.
IN WITNESS WHEREOF, We have herei	under set our hands on the dates shown below.
Date	
	Yanchun Li
Date Feb 29, 2020	Mengyao Ma Mengyao Ma