

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Guangdong Oppo Mobile Telecommunications Corp., Ltd.	12/27/2024
RECEIVING PARTY DATA	
Company Name:	InterDigital Holdings, Inc.
Street Address:	200 Bellevue Parkway
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City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19809
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	17028721
Application Number:	17328971
Application Number:	17720041
Application Number:	17810771
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Address Line 4:	Wilmington, DELAWARE 19809
NAME OF SUBMITTER:	Gwen Bredow
SIGNATURE:	/Gwen Bredow/
DATE SIGNED:	01/31/2025
Total Attachments: 6	
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT, effective as of December 23, 2024, is made by and between **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**, a corporation organized and existing under the laws of the People's Republic of China, having a mailing address of No. 18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong Province, P.R. China (hereinafter "Assignor"), and **INTERDIGITAL HOLDINGS, INC.** a Delaware corporation, with a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809 (hereinafter "Assignee").

WHEREAS:

Assignor is the sole owner of the patents and patent applications listed in the attached Exhibit A (hereinafter "Patents"); and

Assignee is desirous of acquiring all of Assignor's right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound hereby, Assignor has sold, assigned and transferred, and does hereby sell, assign and transfer to Assignee the entire right, title and interest in and to any and all of the following:

- (i) the Patents, including any and all inventions, invention disclosures, improvements and discoveries disclosed or claimed therein (hereinafter "Inventions"), for the United States, its possessions and territories and all foreign countries, regions and territories;
- (ii) the rights of priority created by the Patents under any treaty relating thereto, including the rights to apply for patents and patent applications covering the Inventions in any and all countries, regions and territories;
- (iii) any and all patents and patent applications, certificates of invention, utility models and any other grants by any governmental entity for the protection of inventions resulting from the Patents, in any and all countries, regions and territories, including any and all patents and patent applications disclosing the Inventions and any patents issuing from such applications, including provisionals, non-provisionals, divisionals, continuations, continuations-in-part, reissues, extensions, renewals, substitutions and re-examinations of the Patents; and
- (iv) all past, present and future causes of action and enforcement rights, whether currently pending, filed or otherwise, in connection with the Patents, the patents and patent applications resulting from the Patents and the Inventions, including without limitation, all rights to sue for any past, present or future infringement thereof (notwithstanding the foregoing, except for past infringements that have been settled or licensed prior to the Effective Date), including the rights to license and to collect and receive any damages, royalties, injunctive relief, and/or any other settlements or remedies for such infringements, and including any provisional rights having arisen from any publication of any of the Patents or any patent application resulting therefrom.

the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor, if this Assignment and sale had not been made.

AND, this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment.

Patent Assignment: Guangdong OPPO Mobile Telecommunications Corp., Ltd. and InterDigital Holdings, Inc.

IN WITNESS WHEREOF, Assignor and Assignee, by and through their respective authorized representative, have executed this instrument on the date indicated below.

SIGNED for and on behalf of **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**

By

(Signature)

Ying FENG

(Print Name)

(Date)

IP Director

(Print Title)

SIGNED for and on behalf of **InterDigital Holdings, Inc.**

By

(Signature)

Liron Chen

(Print Name)

(Date)

President and CEO

(Print Title)

PATENT

REEL: 070071 FRAME: 0693

EXHIBIT A

Country	Application No.	Patent or Publication No.	Filing Date	Title
AU	2019247009		2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
CN	201980006622.6	CN 111492679 A	2019-04-03	用于多接入分流/导流操作的装置和方法
EP	19780558.3	EP3777251A1	2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
IN	202017046141		2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
JP	2020-549061	JP2021-518684A	2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
KR	10-2020-7031096	10-2020-0139729	2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
US	62/652,405		2018-04-04	ATSSS OPERATION PROCEDURE
US	17/028,721	US-2021-0014734-A1	2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
WO	PCT/CN2019/081295	WO2019192528A1	2019-04-03	APPARATUS AND METHOD FOR ACCESS TRAFFIC STEERING, SWITCHING, AND/OR SPLITTING OPERATION
CN	201880099617.X	CN 113056945 A	2018-11-26	一种信息生成及指示方法、装置、终端
EP	18941868.4	EP3883310A1	2018-11-26	INFORMATION GENERATION METHOD AND APPARATUS, INFORMATION INDICATION METHOD AND APPARATUS, AND TERMINAL
US	17/328,971	US-2021-0282155-A1	2018-11-26	METHOD AND APPARATUS FOR INFORMATION GENERATION, AND COMPUTER-READABLE STORAGE MEDIUM
WO	PCT/CN2018/117409	WO2020107147A1	2018-11-26	一种及装置、终端设备、网络设备
CN	201980101250.5	CN 114557041 A	2019-10-17	通信方法、通信设备及存储介质

Country	Application No.	Patent or Publication No.	Filing Date	Title
EP	19949171.3	EP4017118	2019-10-17	COMMUNICATION METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM
US	17/720,041	US-2022-0240155-A1	2019-10-17	COMMUNICATION METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM
WO	PCT/CN2019/111764	WO2021072717A1	2019-10-17	通信方法、通信设备及存储介质
CN	201980101946.8	CN 115244988 A	2019-10-30	小区切换的管理方法、设备及存储介质
EP	19950532.2	EP4054243A1	2019-10-30	MANAGEMENT METHOD, DEVICE AND STORAGE MEDIUM FOR CELL HANDOVER
US	17/731,842	US-2022-0256408-A1	2019-10-30	MANAGEMENT METHOD, DEVICE AND STORAGE MEDIUM FOR CELL HANDOVER
WO	PCT/CN2019/114398	WO2021081818A1	2019-10-30	小区切换方法、设备及存储介质
CN	202080090171.1	CN 114902572 A	2020-01-07	用于波束选择的方法、终端设备和网络设备
EP	20911794.4	EP4087149A1	2020-01-07	Beam selection method, terminal device, and network device
US	17/810,771	US-2022-0337306-A1	2020-01-07	METHOD FOR BEAM SELECTION, TERMINAL DEVICE, AND NETWORK DEVICE
WO	PCT/CN2020/070758	WO2021138816A1	2020-01-07	用于波束选择的方法、终端设备和网络设备
CN	202080090821.2	CN 114902790 A	2020-01-02	一种传输模式切换方法、电子设备及存储介质
EP	20909196.6	EP4087363A1	2020-01-02	METHOD FOR SWITCHING TRANSMISSION MODE, ELECTRONIC DEVICE AND STORAGE MEDIUM
US	17/853,420	US-2022-0329985-A1	2020-01-02	METHOD FOR SWITCHING TRANSMISSION MODE AND CORE NETWORK ELEMENT
WO	PCT/CN2020/070142	WO2021134760A1	2020-01-02	一种传输模式切换方法、电子设备及存储介质
CN	202080091167.7	CN 114902731 A	2020-01-06	一种业务切换方法、终端及网络设备
EP	20911888.4	EP4084405A1	2020-01-06	Service switching method, terminal, and network device
US	17/852,257	US-2022-0330100-A1	2020-01-06	SERVICE SWITCHING METHOD, TERMINAL, AND NETWORK DEVICE

Country	Application No.	Patent or Publication No.	Filing Date	Title
WO	PCT/CN2020/070537	WO2021138780A1	2020-01-06	一种业务切换方法、终端及网络设备
CN	202080099576.1	CN 115380561 A	2020-04-13	切片处理方法、装置、存储介质和处理器
EP	20930939.2	EP4138452A1	2020-04-13	SLICING METHOD AND APPARATUS, STORAGE MEDIUM, AND PROCESSOR
US	18/045,978	US-2023-0056120-A1	2020-04-13	SLICING METHOD AND APPARATUS, STORAGE MEDIUM, AND PROCESSOR
WO	PCT/CN2020/084503	WO2021207881A1	2020-04-13	切片处理方法、装置、存储介质和处理器
CN	202080101934.8	CN 115699979 A	2020-08-03	无线通信方法和设备
US	18/089,445	US-2023-0132185-A1	2020-08-03	Wireless communication method and device
WO	PCT/CN2020/106554	WO2022027171A1	2020-08-03	无线通信方法和设备
CN	202180096897.0	CN117158012A	2021-04-16	网络切片的鉴权方法及装置、设备和存储介质
EP	21936450.2	EP4325916A1	2021-04-16	AUTHENTICATION METHOD AND APPARATUS FOR NETWORK SLICE, AND DEVICE AND STORAGE MEDIUM
US	18/378,830	US-2024-0056807-A1	2021-04-16	NETWORK EQUIPMENT AND USER EQUIPMENT
WO	PCT/CN2021/087685	WO2022217571A1	2021-04-16	网络切片的鉴权方法及装置、设备和存储介质
CN	201310038490.X	CN103092824B	2013-01-31	一种备忘录创建方法及装置
CN	201710757981.8	CN107580039B	2017-08-29	传输进度的显示方法、装置及终端
CN	201810319414.9	CN108595238B	2018-04-10	应用界面的显示控制方法及装置
CN	201811409098.0	CN109587667B	2018-11-23	一种连接建立方法及装置、设备、存储介质
WO	PCT/CN2019/110204	WO2020103592A1	2019-10-09	一种连接建立方法及装置、设备、存储介质
CN	201911367963.4	CN111158449B	2019-12-26	终端设备及其控制系统、控制方法
CN	201911215239.X	CN112987986B	2019-12-02	实现游戏应用的方法、装置、存储介质及电子设备
WO	PCT/CN2020/130084	WO2021109875A1	2020-11-19	实现游戏应用的方法、装置、存储介质及电子设备
CN	201911283836.6	CN112994797B	2019-12-13	电子设备的通信控制方法、电子设备及存储介质
CN	201911396020.4	CN111147643B	2019-12-30	振动发声组件、电子设备及振动发声组件的装配方法

Country	Application No.	Patent or Publication No.	Filing Date	Title
CN	201911368788.0	CN111131582B	2019-12-26	电子设备及其壳体组件
CN	201911223171.X	CN111083323B	2019-12-03	摄像头装饰组件、盖板以及电子设备
CN	201911411929.2	CN113132715B	2019-12-31	一种图像处理方法、装置、电子设备及其存储介质
CN	201911421876.2	CN111092284B	2019-12-31	客户前置设备
CN	202110315462.2	CN113067115B	2019-12-31	客户前置设备
CN	201911252978.6	CN111007930B	2019-12-09	温度控制方法、装置、存储介质及电子设备
CN	201911388026.7	CN110993405B	2019-12-26	电子设备、装配方法及拆卸方法
CN	201911366456.9	CN113050783B	2019-12-26	终端控制方法、装置、移动终端及存储介质
CN	201911382911.4	CN113051128B	2019-12-27	功耗检测方法、装置、电子设备及存储介质
CN	201911320654.1	CN113013833B	2019-12-19	设备控制方法及相关产品
CN	201911276863.0	CN112988338B	2019-12-12	应用切换方法、装置、存储介质及电子设备
WO	PCT/CN2020/134541	WO2021115257A1	2020-12-08	应用切换方法、装置、存储介质及电子设备
CN	201911400566.2	CN111182595B	2019-12-30	网络切换方法、装置、存储介质及电子设备
WO	PCT/CN2020/136766	WO2021135943A1	2020-12-16	网络切换方法、装置、存储介质及电子设备
CN	201911321421.3	CN111045847B	2019-12-18	事件审计方法、装置、终端设备以及存储介质