

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7981242

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DST HOLDINGS, INC.	10/27/2022
RECEIVING PARTY DATA	
Name:	INTERDIGITAL PATENT HOLDINGS, INC.
Street Address:	200 BELLEVUE PARKWAY, SUITE 300
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19809
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	11595832
CORRESPONDENCE DATA	
Fax Number:	
<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:	3022813600
Email:	portfolio.ops@interdigital.com
Correspondent Name:	PATENT DOCKETING
Address Line 1:	200 BELLEVUE PARKWAY
Address Line 2:	SUITE 300
Address Line 4:	WILMINGTON, DELAWARE 19809
NAME OF SUBMITTER:	ANDREW W. SPICER, REG. NO. 57,420
SIGNATURE:	/ANDREW W. SPICER/
DATE SIGNED:	05/31/2023
Total Attachments: 9	
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PATENT

REEL: 063809 FRAME: 0128

PATENT ASSIGNMENT

In order to effectuate the transfer of certain patents and patent applications identified on Schedule A attached hereto ("Patents") to INTERDIGITAL PATENT HOLDINGS, INC., a Delaware corporation having its address at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 ("IPH"), DST HOLDINGS, INC., a Delaware corporation having its address at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 ("DST"), INTERDIGITAL WIRELESS, INC. (f/k/a InterDigital, Inc.), a Delaware corporation having its address at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 ("IWI"), INTERDIGITAL HOLDINGS, INC., a Delaware corporation having its address at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 ("IHI"), and IPH, (collectively the "Parties") agree that, as of the date last signed hereto (the "Effective Date"):

- 1.1 Subject to the limitations of paragraphs 1.2 and 1.3 below, DST does hereby assign and transfer unto IWI, and its successors, assigns and legal representatives, DST's entire right, title and interest in and to the Patents, including any and all inventions, invention disclosures, improvements and discoveries disclosed or claimed therein ("Inventions"), for the United States, its possessions and territories and all foreign countries, regions and territories; 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; 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 all past, present and future causes of action and enforcement rights, whether currently pending, filed or otherwise and whether arising prior to, on or subsequent to the Effective Date, 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, 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 (collectively, the "Transferred Asset(s)").
- 1.2 IWI agrees that the Transferred Assets shall remain subject to all rights that, prior to or as of the Effective Date have been or are required to be granted to any third party, including but not limited to, obligations and commitments

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made to standards setting or development organizations or industry consortia, and any and all releases, licenses, waivers of any rights of enforcement (including, but not limited to covenants not to sue, covenants not to assert, standstill agreements, disincentives to sue), rights to sell or otherwise divest some or all of the Transferred Assets, or any other similar rights, whether express or implied, under any of the Transferred Assets (collectively, "Existing Third Party Rights") based on any obligation or agreement existing prior to or as of the Effective Date. IWI further agrees that when an Existing Third Party Right requires DST or its affiliates to obtain agreement of, or assurances from, an assignee of a Transferred Asset that the Transferred Asset is subject to the Existing Third Party Rights, IWI hereby so agrees and assures and agrees to provide such written assurances or undertakings with respect to the Transferred Assets.

- 1.3 DST retains the sole right to receive and retain any and all royalties, payments and other consideration under such Existing Third Party Rights set forth in paragraph 1.2.
- 1.4 DST agrees that, when requested, DST will reasonably cooperate to execute and deliver all patent applications, assignments, oaths, and any other papers and do all acts which may be necessary, desirable or convenient for securing and maintaining the Transferred Assets and for vesting title thereto in IWI, its successors, and assigns and legal representatives or nominees.
- 2.1 Subject to the limitations of paragraph 2.2 and 2.3 below, IWI does hereby assign and transfer unto IHI and its successors, assigns and legal representatives, IWI's entire right, title and interest in the Transferred Assets.
- 2.2 IHI agrees that the Transferred Assets shall remain subject to all Existing Third Party Rights based on any obligation or agreement existing prior to or as of the Effective Date. IHI further agrees that when an Existing Third Party Right requires IWI or its affiliates to obtain agreement of, or assurances from, an assignee of a Transferred Asset that the Transferred Asset is subject to the Existing Third Party Rights, IHI hereby so agrees and assures and agrees to provide such written assurances or undertakings with respect to the Transferred Assets.
- 2.3 IHI further agrees that IHI shall have no right under this Patent Assignment to receive or retain any royalties, payments and/or other consideration under such Existing Third Party Rights.
- 2.4 IWI agrees that, when requested, IWI will reasonably cooperate to execute and deliver all patent applications, assignments, oaths, and any other papers and do all acts which may be necessary, desirable or convenient for securing and

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maintaining the Transferred Assets and for vesting title thereto in IHI, its successors, and assigns and legal representatives or nominees.

- 3.1 Subject to the limitations of paragraph 3.2 and 3.3 below, IHI does hereby assign and transfer unto IPH and its successors, assigns and legal representatives, IHI's entire right, title and interest in the Transferred Assets.
- 3.2 IPH agrees that the Transferred Assets shall remain subject to all Existing Third Party Rights based on any obligation or agreement existing prior to or as of the Effective Date. IPH further agrees that when an Existing Third Party Right requires IHI or its affiliates to obtain agreement of, or assurances from, an assignee of a Transferred Asset that the Transferred Asset is subject to the Existing Third Party Rights, IPH hereby so agrees and assures and agrees to provide such written assurances or undertakings with respect to the Transferred Assets.
- 3.3 IPH further agrees that IPH shall have no right under this Patent Assignment to receive or retain any royalties, payments and/or other consideration under such Existing Third Party Rights.
- 3.4 IHI agrees that, when requested, IHI will reasonably cooperate to execute and deliver all patent applications, assignments, oaths, and any other papers and do all acts which may be necessary, desirable or convenient for securing and maintaining the Transferred Assets and for vesting title thereto in IPH, its successors, and assigns and legal representatives or nominees.

Patent Assignment: DST Holdings, Inc. to InterDigital Patent Holdings, Inc.

IN WITNESS WHEREOF, the Parties have executed this Patent Assignment as of the Effective Date.

ASSIGNOR:

DST Holdings, Inc.

By: 
Liren Chen

Title: President and CEO

Date: 27 October 2022

ASSIGNEE:

InterDigital Wireless, Inc.

By: 
Richard J. Brezski

Title: President

Date: 31 October 2022

Patent Assignment: DST Holdings, Inc. to InterDigital Patent Holdings, Inc.

IN WITNESS WHEREOF, the Parties have executed this Patent Assignment as of the Effective Date.

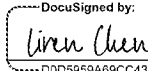
ASSIGNOR:

ASSIGNEE:

InterDigital Wireless, Inc.

InterDigital Holdings, Inc.

By: 
Richard J. Brezski

By: 
Liren Chen

Title: President

Title: President and CEO

Date: 31 October 2022

Date: 27 October 2022

Patent Assignment: DST Holdings, Inc. to InterDigital Patent Holdings, Inc.

IN WITNESS WHEREOF, the Parties have executed this Patent Assignment as of the Effective Date

ASSIGNOR:

ASSIGNEE:

InterDigital Holdings, Inc.

InterDigital Patent Holdings, Inc.

By: 
Liren Chen

By: 
Liren Chen

Title: President and CEO

Title: President and CEO

Date: 27 october 2022

Date: 27 october 2022

*Patent Assignment: DST Holdings, Inc. to InterDigital Patent Holdings, Inc.***Schedule A**

Country Code	Application Number	Publication or Grant No.	Filing Date
AR	P050101709	AR048720B1	29-Apr-2005
AU	2009200688		4-Apr-2005
AU	2012200807		4-Apr-2005
AU	2005242432	2005242432	4-Apr-2005
BR	PI05098157		4-Apr-2005
CA	2713822	2713822	4-Apr-2005
CA	2564465	2564465	4-Apr-2005
CN	2011103377608	CN102497256A	4-Apr-2005
CN	2005800134838	ZL2005800134828	4-Apr-2005
CN	2005200119765	ZL2005200119765	29-Apr-2005
DE	2020050068896	2020050068896	29-Apr-2005
EP	121606032	2469780	4-Apr-2005
EP	121665301	2493133	4-Apr-2005
EP	151837655	2991257	4-Apr-2005
EP	057330540	1741235	4-Apr-2005
GE	AP2005009711	P4992	4-Apr-2005
HK	091035231	HK1125761	4-Apr-2005
HK	121127146	1171881A	4-Apr-2005
ID	W00200802880	0483700A	4-Apr-2005
ID	W00200603045	IDP0023203	4-Apr-2005
IL	178760		4-Apr-2005
IN	5191DELNP2012		4-Apr-2005
IN	6652DELNP2006		4-Apr-2005
JP	2011233127	2012060654	4-Apr-2005
JP	2013201884	2014003716	4-Apr-2005
JP	2014145863		4-Apr-2005
JP	2015207930	6212093	4-Apr-2005
JP	2015207931		4-Apr-2005
JP	2017144623	6664127	4-Apr-2005
JP	2018202630	6773748	4-Apr-2005
JP	2007510744	2007538421	4-Apr-2005
KR	1020050036041	1150692	5-Apr-2005
KR	1020050091130	1162785	5-Apr-2005
KR	2020050012598	0391460	4-May-2005
MX	MXA2009008441	295609	4-Apr-2005
MX	PAA2006012458	271348	4-Apr-2005
MY	PI20051871	MY145295A	28-Apr-2005
MY	PI20092456		28-Apr-2005

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Country Code	Application Number	Publication or Grant No.	Filing Date
NO	20065445		4-Apr-2005
SG	2009052317	155190	4-Apr-2005
SG	2006074215	127042	4-Apr-2005
TW	94110927	I353743	6-Apr-2005
TW	97112715	I353745	6-Apr-2005
TW	94205414	279112	7-Apr-2005
US	60566588		29-Apr-2004
US	11095912	8018945	31-Mar-2005
US	13229437	9094203	9-Sep-2011
US	14810162	US20150333875A1	9-Sep-2011
US	16723631	11159280	9-Sep-2011
US	17509643		9-Sep-2011
VE	79605	BULLETIN491	28-Apr-2005
WO	PCTUS0511247	WO2005112357A2	4-Apr-2005
AR	P070105918	AR064549A1	27-Dec-2007
AT	111916615	2461619	27-Dec-2007
AU	2007339304	2007339304	27-Dec-2007
BE	111916615	2461619	27-Dec-2007
BR	PI07196393		27-Dec-2007
CA	2894313	2894313	27-Dec-2007
CA	2674040	2674040	27-Dec-2007
CN	2014102870841	ZL2014102870841	27-Dec-2007
CN	2007800486304	ZL2007800486304	27-Dec-2007
DE	111916615	2461619	27-Dec-2007
DE	161699871	3094127	27-Dec-2007
DE	078680592	2127415	27-Dec-2007
DK	111916615	2461619	27-Dec-2007
EP	111916615	2461619	27-Dec-2007
EP	161699871	3094127	27-Dec-2007
EP	078680592	2127415	27-Dec-2007
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GB	078680592	2127415	27-Dec-2007
HK	101028727	136446A	27-Dec-2007
HU	111916615	2461619	27-Dec-2007
ID	WOO200901839	IDP0032347	27-Dec-2007

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Country Code	Application Number	Publication or Grant No.	Filing Date
IE	111916615	2461619	27-Dec-2007
IE	078680592	2127415	27-Dec-2007
IL	199610		27-Dec-2007
IN	4304DELNP2009		27-Dec-2007
IT	111916615	2461619	27-Dec-2007
IT	078680592	2127415	27-Dec-2007
JP	2013000505	5685273	27-Dec-2007
JP	2015006835	5894304	27-Dec-2007
JP	2016040371	6283384	27-Dec-2007
JP	2017251564	6431592	27-Dec-2007
JP	2018207281	6592578	27-Dec-2007
JP	2009544096	5175861	27-Dec-2007
KR	1020097018666	1331515	27-Dec-2007
KR	1020127032812	1020130010028	27-Dec-2007
KR	1020147003569	1516958	27-Dec-2007
KR	1020147030337	1608956	27-Dec-2007
KR	1020157011414	101617607	27-Dec-2007
KR	20167011041	1020160054605	27-Dec-2007
KR	1020097015773	1263980	27-Dec-2007
MX	MXA2009007080	298655	27-Dec-2007
MY	PI20092767	MY150416A	27-Dec-2007
NL	111916615	2461619	27-Dec-2007
NL	161699871	3094127	27-Dec-2007
NL	078680592	2127415	27-Dec-2007
PL	111916615	2461619	27-Dec-2007
RU	2009128694	2424634	27-Dec-2007
SG	2009044298	1536000	27-Dec-2007
TW	96149792	I493952	24-Dec-2007
TW	103129075	I543644	24-Dec-2007
TW	105115733	I599259	24-Dec-2007
US	60882079		27-Dec-2006
US	11964596	8024000	26-Dec-2007
US	13234764	8478343	26-Dec-2007
US	13910971	9100849	26-Dec-2007
US	14815300	9807623	26-Dec-2007
US	15797418	10225749	26-Dec-2007
US	16290693	10652766	26-Dec-2007
US	16870247	US20200305009A1	26-Dec-2007
VE	2007002941	515	27-Dec-2007
WO	PCTUS0726380	WO2008082587	27-Dec-2007