

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8061438

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SONY GROUP CORPORATION	04/01/2022
RECEIVING PARTY DATA	
Name:	INTERDIGITAL CE PATENT HOLDINGS, SAS
Street Address:	3 RUE DU COLONEL MOLL
City:	PARIS
State/Country:	FRANCE
Postal Code:	75017
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18137885
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	2010P00769 US05 - 3
NAME OF SUBMITTER:	SUSAN L. LUKASIK
SIGNATURE:	/Susan L. Lukasik/
DATE SIGNED:	07/17/2023
Total Attachments: 11	
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT, effective as of April 1, 2022, is made by and between Sony Group Corporation, a Japanese corporation having a place of business at 1-7-1, Konan, Minato-Ku, Tokyo, Japan 108-0075 (hereinafter "Assignor"), and InterDigital CE Patent Holdings, SAS, a company organized under the laws of France, having an address of 3 rue du Colonel Moll, 75017 Paris, France (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, 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.

Notwithstanding the foregoing, any Japan patents that are part of the same patent family as U.S. Patent No. 9,723,654 shall be excluded from the Patents and such Japan Patents are not assigned or transferred to Assignee by way of this Patent Assignment.

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

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

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 Sony Group Corporation

By 
(Signature)
Masayoshi Doshida
(Print Name) General Manager, Intellectual Property & Standards Division
(Print Title)

SIGNED for and on behalf of InterDigital CE Patent Holdings, SAS

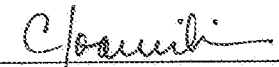
By 
(Signature)
Christos Ioannidi
(Print Name) Vice President
(Print Title)

EXHIBIT A

Country	Application No.	Patent or Publication No.	Filing Date	Title
JP	2010-140569		2010-06-21	情報処理装置、情報処理方法およびプログラム
CN	201110165773.1		2011-06-14	Information processor, information processing method and program
US	13/156287	8880626	2011-06-08	Information processing apparatus, information processing method, and program
US	14/529712	9674130	2011-06-08	Information processing apparatus, information processing method, and program
US	15/498894	10643367	2011-06-08	Information processing apparatus, information processing method, and program
US	17/480,644		2011-06-08	Information processing apparatus, information processing method, and program
US	16/863144	11151768	2011-06-08	Information processing apparatus, information processing method, and program
EP	12814901.0	2732366	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
EP	16206879.5	3168733	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
WO	PCT/JP2012/004409		2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
BR	BR1120140004617		2012-07-06	The apparatus, method and program for information processing
DE	12814901.0	2732366	2012-07-06	The apparatus, method and program for information processing
IN	00135/CHENP/14		2012-07-06	The apparatus, method and program for information processing
CN	201220330419.X		2012-07-06	The apparatus, method and program for information processing
JP	2011-156530	5799628	2011-07-15	The apparatus, method and program for information processing
CN	201210236298.7	ZL201210236298.7	2012-07-06	Information processing apparatus, information processing method, and computer program product

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
JP	2015-160007	6090389	2011-07-15	情報処理装置、情報処理方法、及びプログラム
JP	2017-008137	6260723	2011-07-15	情報処理装置、情報処理方法、携帯端末、及びプログラム
US	14/124023	11249625	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
US	15/427936	10705696	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
DE	16206879.5	3168733	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
GB	16206879.5	3168733	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
NL	16206879.5	3168733	2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
CN	201810213779.3		2012-07-06	Information processing apparatus, information processing method, and computer readable recording medium
CN	201810214208.1	ZL201810214208.1	2012-07-06	Information processing apparatus, information processing method, and computer readable recording medium
US	17/581,979		2012-07-06	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND COMPUTER PROGRAM PRODUCT
BR	BR1120130265795		2012-04-04	The apparatus, the method, and the computer program for information processing
TW	101113333		2012-04-13	The apparatus, the method, and the computer program for information processing
KR	20137026985		2012-04-04	The apparatus, the method, and the computer program for information processing
RU	2013145935		2012-04-04	The apparatus, the method, and the computer program for information processing
WO	PCT/JP2012/002342		2012-04-04	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
EP	12774260.9		2012-04-04	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
IN	08932/DELNP/13		2012-04-04	The apparatus, the method, and the computer program for information processing
CN	201220160527.7		2012-04-16	Information processing apparatus, information processing method, and program
JP	2011-096516	5782810	2011-04-22	The apparatus, the method, and the computer program for information processing
CN	201210111655.7	ZL201210111655.7	2012-04-16	Information processing apparatus, information processing method, and program
US	15/726431	10521104	2012-04-04	Information processing apparatus, information processing method, and program
US	16/690145	11048404	2012-04-04	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
US	14/005051	9811252	2012-04-04	Information processing apparatus, information processing method, and program
JP	2011-125417	5751030	2011-06-03	The apparatus, the method, and the computer program for information processing
CN	201210175537.2	ZL201210175537.2	2012-05-28	Display control device, display control method, and program
CN	201610826069.9	ZL201610826069	2012-05-28	Display control device, display control method
US	13/480241	9189148	2012-05-24	Display control device, display control method, and program
US	14/884855	9483857	2012-05-24	Display control device, display control method, and program
US	15/946778	10444968	2012-05-24	Display control device, display control method, and program
US	15/263416	9977586	2012-05-24	Display control device, display control method, and program
JP	2011-135462		2011-06-17	Electronic device, controlling method and program
TW	101119193		2012-05-29	Electronic device, controlling method and program
EP	12800432.2		2012-05-17	ELECTRONIC DEVICE, CONTROL METHOD OF ELECTRONIC DEVICE, AND PROGRAM
WO	PCT/JP2012/003220		2012-05-17	ELECTRONIC DEVICE, CONTROL METHOD OF ELECTRONIC DEVICE, AND PROGRAM

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
CN	201280028610.1		2012-05-17	Electronic device, control method of electronic device, and program
US	15/481178		2012-05-17	ELECTRONIC DEVICE, CONTROL METHOD OF ELECTRONIC DEVICE, AND PROGRAM
US	14/125140	9459686	2012-05-17	Electronic device, control method of electronic device, and program
US	16/185414	10551899	2012-05-17	Electronic device, control method of electronic device, and program
US	16/727904	11163353	2012-05-17	ELECTRONIC DEVICE, CONTROL METHOD OF ELECTRONIC DEVICE, AND PROGRAM
US	15/258511	9933837	2012-05-17	Electronic device, control method of electronic device, and program
EP	15163857.4		2011-03-01	Rapid method for folder creation
EP	11156357.3	2372516	2011-03-01	Rapid method for folder creation
US	12/754020	8386950	2010-04-05	Methods, Systems and Computer Program Products For Arranging A Plurality of Icons On A Touch Sensitive Display
DE	11156357.3	602011059562.8	2011-03-01	Rapid method for folder creation
FR	11156357.3	2372516	2011-03-01	Rapid method for folder creation
GB	11156357.3	2372516	2011-03-01	Rapid method for folder creation
NL	11156357.3	2372516	2011-03-01	Rapid method for folder creation
BR	PI0719769-1		2007-04-20	SUPER SHARE
FR	07734359.8	2080349	2007-04-20	SUPER SHARE
GB	07734359.8	2080349	2007-04-20	SUPER SHARE
US	15/098,685		2016-04-14	SUPER SHARE
WO	PCT/IB07/001040		2007-04-20	SUPER SHARE
EP	07734359.8	2080349	2007-04-20	SUPER SHARE
US	11/551312	9318152	2006-10-20	SUPER SHARE
CN	200780038919.8	101529867	2007-04-20	SHARING MULTIMEDIA CONTENT IN A PEER-TO-PEER CONFIGURATION
JP	2009-532904	4891407	2007-04-20	SUPER SHARE
DE	07734359.8	2080349	2007-04-20	SUPER SHARE
NL	07734359.8	2080349	2007-04-20	SUPER SHARE
US	60/638517		2004-12-22	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
WO	PCTUS05045026		2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices

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Country	Application No.	Patent or Publication No.	Filing Date	Title
EP	05853852.1	1832053	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
CN	200580044243.4	101088252	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
IN	3686DELNP2007	279119	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
JP	2007-548288	5081628	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
US	11/199970	7532907	2005-08-09	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
DE	05853852.1	1832053	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
FR	05853852.1	1832053	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
GB	05853852.1	1832053	2005-12-14	Methods of Providing Multiple Data Paths Using a Mobile Terminal and Related Devices
CN	200910130379.7	ZL200910130379.7	2009-04-07	Information processing system, communication terminal, information processing unit and program
CN	201210251684.3	ZL201210251684.3	2009-04-07	Information processing system, information processing unit, communication terminal and method
US	12/412067	8180278	2009-03-26	Information processing system, communication terminal, information processing unit and program
US	13/463457	9396477	2009-03-26	Information processing system, communication terminal, information processing unit and program
US	15/605445	10278236	2009-03-26	Information processing system, communication terminal, information processing unit and program
US	16/388036	10687387	2009-03-26	Information processing system, communication terminal, information processing unit and program
US	16/876872	11178727	2009-03-26	
US	17/502,408		2009-03-26	
US	15/177889	9723654	2009-03-26	Information processing system, communication terminal, information processing unit and program
EP	10250204.4	2239991	2010-02-08	Wireless communications device, system, method and program

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Country	Application No.	Patent or Publication No.	Filing Date	Title
EP	16178811.2	3110185	2010-02-08	METHOD, APPARATUSES AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
US	12/750346		2010-03-30	wireless transmission equipment, wireless transmission system, wireless transission method and program thereof
FR	10250204.4	2239991	2010-02-08	wireless transmission equipment, wireless transmission system, wireless transission method and program thereof
FR	16178811.2	3110185	2010-02-08	METHOD, APPARATUSES AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
GB	10250204.4	2239991	2010-02-08	wireless transmission equipment, wireless transmission system, wireless transission method and program thereof
GB	16178811.2	3110185	2010-02-08	METHOD, APPARATUSES AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
NL	16178811.2	3110185	2010-02-08	METHOD, APPARATUSES AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
JP	2009-094369	5332840	2009-04-08	無線通信装置、無線通信システム、無線通信方法及びプログラム
CN	201010151175.4	ZL201010151175.4	2010-04-01	Wireless communications device, system, method and program
US	13/780997	10070415	2010-03-30	Wireless communication device, wireless communication system, wireless communication method and program for randomizing a duration for receiving a probe request
US	14/061207	9655080	2010-03-30	Wireless communication device, wireless communication system, wireless communication method and program
US	14/072358	10051605	2010-03-30	Wireless communication device, wireless communication system, wireless communication method and program for randomizing a duration for receiving a probe request
US	16/044724	10517071	2010-03-30	Wireless communication device, wireless communication system, wireless communication method and program
DE	10250204.4	2239991	2010-02-08	wireless transmission equipment, wireless transmission system, wireless transission method and program thereof

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
DE	16178811.2	3110185	2010-02-08	METHOD, APPARATUSES AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
EP	18152372.1		2010-02-08	METHOD, APPARATUS AND COMPUTER READABLE MEDIUM FOR SUCCESSIVELY SWITCHING NOTIFICATION FREQUENCY
CN	201310635208.6	ZL201310635208.6	2010-04-01	Wireless communication device and information processing apparatus
JP	2013-252153		2009-04-22	無線通信装置、無線通信システム、無線通信方法及びプログラム
JP	2009-104445	5434230	2009-04-22	無線通信装置、無線通信システム、無線通信方法及びプログラム
CN	201010144873.1	ZL201010144873.1	2010-03-18	Wireless communication device, wireless communication system, wireless communication method, and program
CN	201510098539.X	ZL201510098539.X	2010-03-18	Wireless communication device, wireless communication system, wireless communication method, and program
JP	2015-084929	5994893	2009-04-22	無線通信装置、無線通信システム、無線通信方法及びプログラム
JP	2016-164551	6222314	2009-04-22	無線通信装置
US	12/709964	8767690	2010-02-22	Wireless communication device, wireless communication system, wireless communication method, and program
US	14/280107	9674716	2010-02-22	Wireless communication device, wireless communication system, wireless communication method, and program
US	15/482223	9961570	2010-02-22	Wireless communication device, wireless communication system, wireless communication method, and program
US	15/937663	10567979	2010-02-22	Wireless communication device, wireless communication system, wireless communication method, and program
CN	201510099274.5	ZL201510099274.5	2010-03-18	Wireless communication device, wireless communication system, wireless communication method, and program
EP	12166113.6	2527910	2012-04-30	Display
EP	12790195.7	2717090	2012-05-24	DISPLAY DEVICE
EP	16184986.4	3112929	2012-05-24	Display
EP	17178690.8	3249453	2012-04-30	Display

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
JP	2011-116243		2011-05-24	Display devise
JP	2012-102345		2012-04-27	表示装置
WO	PCT/JP2012/063344		2012-05-24	DISPLAY DEVICE
EP	18180325.5	3444658	2012-05-24	Display
IN	02150/MUMNP/13	335929	2012-05-24	Display devise
US	13/463922	9696571	2012-05-04	Display
US	14/118051	9277667	2012-05-24	Display
US	14/851099	9332660	2012-05-24	Display
US	15/062420	10268059	2012-05-24	Display
US	15/285957	10288918	2012-05-24	Display
US	15/463460	10042195	2012-05-04	Display
US	16/298572	10613364	2012-05-24	Display
DE	12166113.6	2527910	2012-04-30	Display
DE	16184986.4	3112929	2012-05-24	Display
DE	17178690.8	3249453	2012-04-30	Display
DE	12790195.7	2717090	2012-05-24	DISPLAY DEVICE
DE	18180325.5	3444658	2012-05-24	Display
EP	21153800.4		2012-05-24	DISPLAY
FR	12166113.6	2527910	2012-04-30	Display
FR	16184986.4	3112929	2012-05-24	Display
FR	17178690.8	3249453	2012-04-30	Display
FR	12790195.7	2717090	2012-05-24	DISPLAY DEVICE
FR	18180325.5	3444658	2012-05-24	Display
GB	16184986.4	3112929	2012-05-24	Display
GB	12790195.7	2717090	2012-05-24	DISPLAY DEVICE
GB	18180325.5	3444658	2012-05-24	Display
NL	12166113.6	2527910	2012-04-30	Display
NL	17178690.8	3249453	2012-04-30	Display
NL	12790195.7	2717090	2012-05-24	DISPLAY DEVICE
DE	202012013458.2	202012013458.2	2012-05-24	Display
US	16/801859	10976582	2012-05-24	Display
JP	2012-153208		2012-07-09	Display apparatus and electoronic device
WO	PCT/JP2013/065145		2013-05-31	DISPLAY DEVICE, AND ELECTRONIC EQUIPMENT

Patent Assignment: Sony Group Corporation to InterDigital CE Patent Holdings, SAS

Country	Application No.	Patent or Publication No.	Filing Date	Title
JP	2014-524690	6222092	2013-05-31	Display apparatus and electronic device
US	14/408129	9854667	2013-05-31	Display unit and electronic apparatus
US	15/828479	10219370	2013-05-31	Display unit and electronic apparatus
US	16/862835		2013-05-31	Display unit and electronic apparatus
US	16/247904	10674602	2013-05-31	Display unit and electronic apparatus
JP	2012-097625		2012-04-23	display apparatus
CN	201310131637.X	ZL201310131637.X	2013-04-16	Display unit
US	13/850464	9626938	2013-03-26	Display unit
US	15/379780	9939953	2013-03-26	Controlling display of items based on flexibility of a display unit
US	16/291111	10817107	2013-03-26	DISPLAY UNIT
US	15/912875	10254887	2013-03-26	Display unit