

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PCMS HOLDINGS, INC.	09/23/2022
RECEIVING PARTY DATA	
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State/Country:	FRANCE
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	17622564
Application Number:	17623107
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NAME OF SUBMITTER:	ANDREW W. SPICER, REG. NO. 57,420
SIGNATURE:	/ANDREW W. SPICER/
DATE SIGNED:	01/13/2023
Total Attachments: 8	
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT, effective as of September 11, 2022, is made by and between PCMS Holdings, Inc., a Delaware corporation with an address of 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignor"), and InterDigital Madison Patent Holdings, SAS, a French corporation with a registered 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,

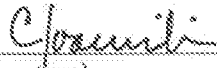
the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor, if this Assignment and sale had not been made.

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

Patent Assignment: PCMS Holdings, Inc. to InterDigital Madison Patent Holdings, SAS

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 **PCMS Holdings, Inc.**

By	<u></u>	<u>23 Sept. 2022</u>
	(Signature)	(Date)
	<u>Christos Ioannidi</u>	<u>Senior Patent Executive</u>
	(Print Name)	(Print Title)

SIGNED for and on behalf of **InterDigital Madison Patent Holdings, SAS**

By	<u></u>	<u></u>
	(Signature)	(Date)
	<u>Richard J. Brezski</u>	<u>President</u>
	(Print Name)	(Print Title)

Patent Assignment: PCMS Holdings, Inc. to InterDigital Madison Patent Holdings, SAS

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 **PCMS Holdings, Inc.**

By

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(Signature)

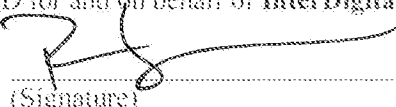
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(Date)

.....
(Print Name)

.....
(Print Title)

SIGNED for and on behalf of **InterDigital Madison Patent Holdings, SAS**

By


.....
(Signature)

04 OCT 2022
.....
(Date)

Richard J. Brezski
.....
(Print Name)

President
.....
(Print Title)

EXHIBIT A

Country	Application No.	Filing Date	Patent No.	Title
US	62/774,062	2018-Nov-30		METHOD FOR MIRRORING 3D OBJECTS TO LIGHT FIELD DISPLAYS
EP	19832756.1	2019-Nov-26		METHOD FOR MIRRORING 3D OBJECTS TO LIGHT FIELD DISPLAYS
WO	PCT/US2019/063443	2019-Nov-26		METHOD FOR MIRRORING 3D OBJECTS TO LIGHT FIELD DISPLAYS
CN	201980086103.5	2019-Nov-26		METHOD FOR MIRRORING 3D OBJECTS TO LIGHT FIELD DISPLAYS
US	17/298,324	2019-Nov-26		METHOD FOR MIRRORING 3D OBJECTS TO LIGHT FIELD DISPLAYS
US	62/799,480	2019-Jan-31		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
EP	20708817.0	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
WO	PCT/US2020/015459	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
CN	202080021338.9	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
IN	202117034255	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
KR	10-2021-7024465	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS

Country	Application No.	Filing Date	Patent No.	Title
US	17/426,311	2020-Jan-28		MULTI-FRAME DECOMPOSITION METHOD FOR IMAGE RENDERING ON MULTILAYER DISPLAYS
US	62/833,427	2019-Apr-12		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
EP	20722867.7	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
WO	PCT/US2020/027274	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
CN	202080031824.9	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
JP	2021-559381	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
MX	MX/A/2021/012439	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
US	17/601,679	2020-Apr-08		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS HAVING LIGHT-STEERING LAYERS AND PERIODIC OPTICAL LAYER
US	62/815,853	2019-Mar-08		OPTICAL METHOD AND SYSTEM FOR DISPLAYS BASED ON BEAMS WITH EXTENDED DEPTH OF FOCUS

Country	Application No.	Filing Date	Patent No.	Title
EP	20714415.5	2020-Feb-27		OPTICAL METHOD AND SYSTEM FOR DISPLAYS BASED ON BEAMS WITH EXTENDED DEPTH OF FOCUS
WO	PCT/US2020/020191	2020-Feb-27		OPTICAL METHOD AND SYSTEM FOR DISPLAYS BASED ON BEAMS WITH EXTENDED DEPTH OF FOCUS
CN	202080019885.3	2020-Feb-27		OPTICAL METHOD AND SYSTEM FOR DISPLAYS BASED ON BEAMS WITH EXTENDED DEPTH OF FOCUS
US	17/433,541	2020-Feb-27		OPTICAL METHOD AND SYSTEM FOR DISPLAYS BASED ON BEAMS WITH EXTENDED DEPTH OF FOCUS
US	62/864,846	2019-Jun-21		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
EP	20736856.4	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
WO	PCT/US2020/038172	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
CN	202080050678.4	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
JP	2021-574828	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
MX	MX/A/2021/015988	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING
US	17/619,182	2020-Jun-17		METHOD FOR ENHANCING THE IMAGE OF AUTOSTEREOSCOPIC 3D DISPLAYS BASED ON ANGULAR FILTERING

Country	Application No.	Filing Date	Patent No.	Title
US	62/869,478	2019-Jul-01		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
EP	20740478.1	2020-Jun-29		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
WO	PCT/US2020/040105	2020-Jun-29		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
CN	202080058719.4	2020-Jun-29		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
IN	202217000103	2020-Jun-29		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
US	17/623,107	2020-Jun-29		METHOD AND SYSTEM FOR CONTINUOUS CALIBRATION OF A 3D DISPLAY BASED ON BEAM STEERING
US	62/868,687	2019-Jun-28		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
EP	20742986.1	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
WO	PCT/US2020/039334	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
CN	202080056500.0	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS

Country	Application No.	Filing Date	Patent No.	Title
JP	2021-577364	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
MX	MX/A/2022/000041	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
US	17/622,564	2020-Jun-24		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD (LF) DISPLAYS BASED ON TUNABLE LIQUID CRYSTAL (LC) DIFFUSERS
US	62/858,671	2019-Jun-07		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
EP	20750401.0	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
WO	PCT/US2020/036341	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
CN	202080052654.2	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
KR	10-2021-7040153	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
US	17/616,140	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES
VN	1-2021-08456	2020-Jun-05		OPTICAL METHOD AND SYSTEM FOR LIGHT FIELD DISPLAYS BASED ON DISTRIBUTED APERTURES