PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7354425

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEREMY DWAYNE MIRANDA	11/12/2019
RAFAEL DOMINGOS TORRES	10/31/2019
DANIEL OLSHANSKY	05/29/2020
ANUSH MOHAN	05/24/2020
ROBERT BLAKE TAYLOR	07/17/2020
SAMUEL A. MILLER	09/08/2020
JEHANGIR TAJIK	11/04/2019
ASHWIN SWAMINATHAN	11/01/2019
LOMESH AGARWAL	11/02/2019
PRATEEK SINGHAL	11/30/2020
JOEL DAVID HOLDER	05/15/2020
XUAN ZHAO	10/31/2019
SIDDHARTH CHOUDHARY	10/31/2019
HELDER TOSHIRO SUZUKI	11/12/2020
HIRAL HONAR BAROT	11/01/2019
ERAN GUENDELMAN	12/14/2020
MICHAEL HAROLD LIEBENOW	02/09/2021
CHRISTIAN IVAN ROBERT MOORE	05/25/2020

RECEIVING PARTY DATA

Name:	MAGIC LEAP, INC.
Street Address:	7500 W. SUNRISE BLVD.
City:	PLANTATION
State/Country:	FLORIDA
Postal Code:	33322

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17208844	

CORRESPONDENCE DATA

PATENT REEL: 060038 FRAME: 0649

507307503

Fax Number: (617)646-8646

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.

617-646-8000 Phone:

Email: jenica.roberts@wolfgreenfield.com

Correspondent Name: EDMUND J. WALSH

Address Line 1: WOLF, GREENFIELD & SACKS, P.C.

Address Line 2: **600 ATLANTIC AVENUE**

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	M1450.70033US06
NAME OF SUBMITTER:	JENICA ROBERTS
SIGNATURE:	/Jenica Roberts/
DATE SIGNED:	05/27/2022

Total Attachments: 19

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Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US Page 1 of 6

Title: A CROSS REALITY SYSTEM

Application No.: 16/538,759 Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL; Rafael Domingos Torres residing at Boca Raton, FL; Daniel Olshansky residing at Plantation, FL; Anush Mohan residing at Mountain View, CA; Robert Blake Taylor residing at Porter Ranch, CA; Samuel A. Miller residing at Hollywood, FL; Jehangir Tajik residing at Fort Lauderdale, FL; Ashwin Swaminathan residing at Dublin, CA; Lomesh Agarwal residing at Fremont, CA; Ali Shahrokni residing at San Jose, CA; Prateek Singhal residing at Mountain View, CA; Joel David Holder residing at Austin, TX; Xuan Zhao residing at San Jose, CA; Siddharth Choudhary residing at San Jose, CA; Helder Toshiro Suzuki residing at Mountain View, CA; Hiral Honar Barot residing at Plantation, FL; Eran Guendelman residing at Plantation, FL; Michael Harold Liebenow Loxahatchee. FL

Declaration

This Declaration is directed to U.S. or International Application No. **16/538,759**, filed August 12, 2019. As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, above-identified inventors (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries related to A CROSS REALITY SYSTEM (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been filed or prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified Assignee.

AND WHEREAS, **Magic Leap, Inc.**, a Delaware Corporation, with a place of business at **7500 W. Sunrise Blvd.**, **Plantation**, **FL 33322** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application (including but not limited to U.S. Provisional Application No(s). 62/884,109, 62/870,954, 62/868,786, 62/815,955, 62/812,935, 62/742,237, 62/718,357, filed August 7, 2019, July 5, 2019, June 28, 2019, March 8, 2019, March 1, 2019, October 5, 2018, August 13, 2018 (respectively if plural applications));

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US Page 2 of 6

Title: A CROSS REALITY SYSTEM

Application No.: 16/538,759 Filing Date: August 12, 2019

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all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate, to said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other patent application or other patent property relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries. If ASSIGNOR is requested by the owner of the rights conveyed hereby to take action under this paragraph the owner shall reimburse ASSIGNOR for reasonable out-of-pocket expenses actually paid by ASSIGNOR and incurred and paid as a result of complying with the owner's request; provided that receipts showing the amount actually paid are submitted to such owner.

NAMES OF THE PROPERTY OF THE P Rasta FL Const Cashgroky resping at Plantation, FL: Arean Mohan residing at Mountain View. CA, Subject States To decree (\$1) or Portor Ranch, CA, Sampel A, Miller residing at Hollywood, FL. Activin Swammathan residing of First CourterCale. FL. Activin Swammathan residing at Dublin, CA. Communicação real resolução a Fremont, CA, Ali Shohrok in residing at San Jose CA, Frate (k. Says of estaining at Mountain View, CA. It is David Holder reacting at Austin, TX, Xuan Zhao AND AND AND ASSESSED CA. GLASSING CHARLESTY RESIDENCIAL SON JOSE CA. Helder Toethro Suzukii assaling at Mountain View, CA, Hind Honar Barot reciding at Plantation, Ft., Eran Guendelman

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Legal Name of Inventor: Paled CommunicaTorres	
	Date:
	Date
	Date
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PATENT REEL: 060038 FRAME: 0653

Page 3 of 6

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COMBINED	DECLARAT	ION &	ASSIGNMENT	(37)	CFR	1.63(e)

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US

Page 3 of 6

TIME: A CROSS REALITY SYSTEM

Application No.: 16/538,759 Filing Date: August 12, 2019

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Legal Name of Inventor: Jeremy Dwayne Miranda	
Signature:	Date:
Legal Name of Inventor: Rafael Domingos Torres Signature: Acceptance of Inventor: Daniel Olshansky	Date: 10/31/2015
Signature:	Date:
Legal Name of Inventor: Anush Mohan Signature:	Date:
Legal Name of Inventor: Robert Blake Taylor	
Signature:	Date:

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70039US00-ML-0772US

Page 3 of 6

Title: A CROSS REALITY SYSTEM

Application No.: 16/538,759 Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL Rafael Domingos Torres residing at Bock Raton, FL Daniel Olshansky residing at Mountain View, CA, Anush Moran residing at Mountain View, CA, Robert Blake Taylor residing at Porter Ranch, CA, Samuel A, Miller residing at Hollywood, FL, Jehangir Tajik residing at Fort Lauderdale, FL, Ashwin Swaminiathan residing at Dublin, CA, Lomesh Agarwal residing at Fremonit, CA, Ali Shahrokni residing at San Jose, CA, Prateek Singhal residing at Mountain View, CA, Joel David Holder residing at Austin, TX, Xuan Zhao residing at San Jose, CA, Siddharth Choudhary residing at San Jose, CA, Heider Toshiro Suzuki residing at Mountain View, CA, Hiral Honer Barot residing at Plantation, FL, Eran Guendelman residing at Plantation, FL, Michael Harold Liebenow Loxahatchee, FL, Critistian Ivan Robert Moore residing at Cupertino, California

Legal Name of Inventor: Jeremy Dwayne Miranda		
Signature	Date	
Legal Name of Inventor: Ratasi Domingos Torres		
Signature	Date	
Legal Name of Inventor: Daniel Olshansky		
Signature	Date	5/21/2020
Legal Name of Inventor: Anush Mohan		
Signature 1995	Date	5,24,000
Legal Name of Inventors Robert Blake Taylor		
Signature	Cate	

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US

TIME: A CROSS REALITY SYSTEM

Application No.: 16/536,759
Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL; Plafael Domingos Torres residing at Boca Raton, FL; Daniel Otshansky residing at Mountain View, CA; Anush Mohan residing at Mountain View, CA; Robert Blake Taylor residing at Porter Flanch, CA; Samuel A. Miller residing at Hollywood, FL; Jehangir Tajik residing at Fort Lauderdale, FL; Ashwin Swaminathan residing at Dublin, CA; Lomesh Aganwal residing at Fremont, CA; Ali Shahrokni residing at San Jose, CA; Prateok Singhal residing at Mountain View, CA; Joel David Holder residing at Austin, TX; Xuan Zhao residing at San Jose, CA; Siddharth Choudhary residing at San Jose, CA; Helder Toshiro Suzuki residing at Mountain View, CA; Hiral Honar Barot residing at Plantation, FL; Eran Guendelman residing at Plantation, FL; Michael Harold Liebenow Loxahatchee, FL; Christian Ivan Robert Moore residing at Cupertino, California

Legal Name of Inventor: Jeremy Dwayne Miranda	
Signature:	Date:
Legal Name of Inventor: Rafael Domingos Torres	
Signature:	Date:
Legal Name of Inventor: Daniel Olshansky	
Signature:	Date:
Legal Name of inventor: Anush Mohan	
Signature:	Date:
egal Name of inventor: Robert Blake Taylor	
Signature:	Date: 7/14/20

PATENT REEL: 060038 FRAME: 0656

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Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US Page 4 of 6

Title: A CROSS REALITY SYSTEM

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Legal Name of inventor: Samuel A. Miller		
Signature: San Mul	Date: 9/8/20	
Legal Name of inventor: Jehangir Tajik		
Signature:	Date:	
Legal Name of inventor: Ashwin Swaminathan		
Signature:	Date:	
Legal Name of inventor: Lomesh Agarwal		
Signature:	Date:	
Legal Name of inventor: Ali Shahrokni		
Signature:	Date:	
Legal Name of inventor: Prateek Singhal		
Signature:	Date:	

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Accompanie that Share their prevention or concurrently Docket No.: M1450 70033US00 ML 0772US Page 4 of 6 Title: A CHOSS REALITY SYSTEM Application No.: 14538 785

Application No. 10/539 755
Filing Date: August 12 2019

Investors: Jereny Ckoyne fargreig reading is skalled. F. Figur Domings: Orrect esting at Bock Palen. F. Devel Cking by esting a Plansford. F. Akura Monar reading at Monar View. CA. Robert Bake Taylor reaging as I grant Raylor. CA. Samuel A. Miller esting at Hollywood. F. Jerhardy Taylor ending at For Lauge date F. Akuran Secretarian at Secretaria at Debin. CA. Larricht Ageneal reading at Ferrery. CA. All Shelvaker reading at Secretar CA. Proteck. Single reading at Monarch View. CA. Secretarian bender reading at Austra. TX. Your 7 feb. residing at Secretarian Ca. Secretarian bender at Secretarian All February Commissions. Secretarian at February Ca. Secretarian Residence at February Secretarian.

Legal Name of Inventor: Samuel A Name

Legal Name of Inventor: Johnnyo Tajk

Suparate

Legal Name of Inventor: Johnnyo Tajk

Legal Name of Inventor: Johnnyo Admini construction

Suparate

Legal Name of Inventor: Definition of Inventorial Inventor

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US

Page 4 of 6

Title: A CROSS REALITY SYSTEM

Application No.: 16/538,759
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Legal Name of inventor:	Samuel A. Miller	
Signature:		Date:
Legal Name of inventor:	Jehangir Tajik	
Signature:		Date:
Legal Name of inventor:	Ashwin Swaminathan	e e e e e e e e e e e e e e e e e e e
Signature:	JAMes Tolking	Date:
Legal Name of inventor:	Lomesh Agarwai	
Signature		Dates
Legal Name of inventor:	Ali Shahrokni	
Signature:		Date:
Legal Name of inventor:	Prateek Singhal	
Signature:		Date:

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Legal Name of inventor:	Samuel A. Miller	
Signature:	;	Date:
Legal Name of inventor:	Jehangir Tajik	
Signature:		Date:
Legal Name of inventor:	Ashwin Swaminathan	
Signature:		Dates
Legal Name of inventor:	Lomesh Agarwal	
Signature:	Smed Its	Date: 11/2/2019
Legal Name of inventor:	Ali Shahrokni	
Signature:		Date:
Legal Name of inventor:	Prateek Singhal	
Signature:		Date:

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Legal Name of inventor: Samuel A. Miller	
Signature:	Date:
Legal Name of inventor: Jehangir Tajik	
Signature:	Date:
Legal Name of inventor: Ashwin Swaminathan	
Signature:	Date:
Legal Name of inventor: Lomesh Agarwal Signature:	Date:
Legal Name of inventor: Ali Shahrokni Signature:	
Legal Name of inventor: Prateek Singhal	
Signature: / datak Afril	Date: $(1/30/2026)$

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Legal Name of inventor: Joel David Holder		
Signature: Jelffh	Date:	5/15/2020
\mathcal{O}		
Legal Name of inventor: Xuan Zhao		
Signature:	Date:	***************************************
Legal Name of inventor: Siddharth Choudhary		
Signature:	Date:	
Legal Name of inventor: Helder Toshiro Suzuki		
Signature:	Date:	
Legal Name of inventor: Hiral Honar Barot		
Signature:	Date:	
Legal Name of inventor: Eran Guendelman		
Signature:	Date:	

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Legal Name of inventor:	Joel David Holder	
Signature:		Date:
Legal Name of inventor:	.š:	
Signature:		Date:/ 0 / 3.1 / 2011
Legal Name of inventor:	Siddharth Choudhary	
Signature:		Date:
Legal Name of inventor:	Helder Toshiro Suzuki	
Signature:		Date:
Legal Name of inventor:	Hiral Honar Barot	
Signature:		Date:
Legal Name of inventor:	Eran Guendelman	
Signature:		Date:

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Legal Name of inventor: Joel David Holder	
Signature:	Date:
Legal Name of inventor: Xuan Zhao	
Signature:	Date:
Legal Name of inventor: Siddharth Choudhary	
Signature: 1:00 horth Choudhan	Date: 31 st 0ct 2019
Legal Name of Inventor: Helder Toshiro Suzuki	
Signature:	Date:
Legal Name of inventor: Hiral Honar Barot	
Signature:	Date:
Legal Name of inventor: Eran Guendelman	
Signature:	Date:

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Legal Name of inventor: Jos! David Holder	
Signature:	Sate:
Legal Name of inventor: Xuan Zhao	
Signatura:	
Legal Name of inventor: Siddharth Choudhary	
Signature:	
Legal Name of inventor: Helder Toshiro Suzuki Signature: (HUUr Suryuki	11/12/2020 Sab:
Legal Name of inventor: Hiral Honar Barot	
Signature:	
Legal Name of inventor: Eran Guendelman	
Signature:	Date:

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Application No.: 16/538,759
Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL; Rafael Domingos Torres residing at Boca Raten, FL; Daniel Olshansky residing at Plantation, FL; Anush Mohan residing at Mountain View, CA; Robert Blake Taylor residing at Porter Ranch, CA; Samuel A. Miller residing at Hollywood, FL; Jehangir Tajik residing at Fort Lauderdale, FL; Ashwin Swaminathan residing at Dublin, CA; Lomesh Agarwal residing at Fremont, CA; Ali Shahrokni residing at San Jose, CA; Prateek Singhal residing at Mountain View, CA; Joel David Holder residing at Austin, TX; Xuan Zhao residing at San Jose, CA; Siddharth Choudhary residing at San Jose, CA; Helder Toshiro Suzuki residing at Mountain View, CA; Hiral Honar Barot residing at Plantation, FL; Eran Guendelman residing at Plantation, FL; Michael Harold Liebenow Loxahatchee, FL

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PATENT REEL: 060038 FRAME: 0666

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Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US

Page 5 of 6

Title: A CROSS REALITY SYSTEM

Application No.: 16/538,759 Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL; Rafael Domingos Torres residing at Boca Raton, FL; Daniel Olshansky residing at Plantation, FL; Anush Mohan residing at Mountain View, CA; Robert Blake Taylor residing at Porter Ranch, CA; Samuel A. Miller residing at Hollywood, FL; Jehangir Tajik residing at Fort Lauderdale, FL; Ashwin Swaminathan residing at Dublin, CA; Lomesh Agarwal residing at Fremont, CA; Ali Shahrokni residing at San Jose, CA; Prateek Singhal residing at Mountain View, CA; Joel David Holder residing at Austin, TX; Xuan Zhao residing at San Jose, CA; Siddharth Choudhary residing at San Jose, CA; Helder Toshiro Suzuki residing at Mountain View, CA; Hiral Honar Barot residing at Plantation, FL; Eran Guendelman residing at Tel Aviv, ISRAEL; Michael Harold Liebenow Loxahatchee, FL

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Signature:		Date:	
Legal Name of inventor:	Xuan Zhao		
Signature:		Date: _	
Legal Name of inventor:	Siddharth Choudhary		
Signature:	· ·	Date: _	***************************************
Legal Name of inventor:	Helder Toshiro Suzuki		
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Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00-ML-0772US

Page 6 of 6

Title: A CHOSS REALITY SYSTEM

Application No.: 16536.759
Filing Date: August 12, 2019

Inventors: Jeremy Owayne Miranda residing at Miramar, FL, Pafael Domingos Torres residing at Boca Robon, FL, Damel Oishansky residing at Mountain View, CA, Anuah Moham residing at Mountain View, CA, Pobert Blake Taylor residing at Porter Ranch, CA, Samuel A, Miller residing at Hollywood, FL, Jehangir Tajik residing at Fort Lauderdale, FL, Ashwin Swaminathan residing at Dustin, CA, Lomesh Agarwal residing at Fremont, CA, Ali Shahrokhi residing at San Jose, CA, Palsek Singhal residing at Mountain View, CA, Joel David Hobjer residing at Austin, TX, Xuan Zhao residing at San Jose, CA, Siddharth Choudhay residing at San Jose, CA, Helder Toehlro, Suzuki residing at Mountain View, CA, Hiral Honar Barot residing at Plantation, FL, Eran Guendelman residing at Plantation, FL, Michael Harold Lisbenow Loxahatchee, FL, Christian Ivan Robert Moore residing at Cupertino, California

Legal Name of	inventor. Michael	Harold Lebenow		
Sgnø	1818		Cate	
Legal Name of	inventor: Circle	n wan Robert Moore		
Signa	J. P.		Date 11	
The Assignee N	areby acknowledge	e and accepts the lonegoing	asegnment	
Assignee MAC	ICLEAP, INC.			
Synature			Date	
Name	David C. Lun	dwark		
Title	Chief Paters	Official		

Application Data Sheet filed previously or concurrently

Docket No.: M1450.70033US00/ML-0772US

THE: A CROSS REALITY SYSTEM

Application No.: 16/538,759
Filing Date: August 12, 2019

Inventors: Jeremy Dwayne Miranda residing at Miramar, FL; Rafael Domingos Torres residing at Boca Raton, FL; Daniel Olshansky residing at Mountain View, CA; Anush Mohan residing at Mountain View, CA; Robert Blake Taylor residing at Porter Ranch, CA; Samuel A. Miller residing at Hollywood, FL; Jehangir Tajik residing at Fort Lauderdale, FL; Ashwin Swaminathan residing at Dublin, CA; Lomesh Agarwai residing at Fremont, CA; Ali Shahrokni residing at San Jose, CA; Prateek Singhai residing at Mountain View, CA; Joel David Holder residing at Austin, TX; Xuan Zhao residing at San Jose, CA; Siddharth Choudhery residing at San Jose, CA; Helder Toshiro Suzuki residing at Mountain View, CA; Hirat Honar Barot residing at Plantation, FL; Bran Guendelman residing at Plantation, FL; Michael Harold Liebenow residing at Loxahstchee, FL; Christian Ivan Robert Moore residing at Cupertino, California

Legal Name of in	ventor: Michael Harold Liebenow		
Signatur	# <u>// // / </u>	Date:	721.2.9
	ventor: Christian Ivan Robert Moore		
Signatur	re:	Date:	
The Assignee her	eby acknowledges and accepts the for	agoing assignment.	
Assignee: MAGIC	CLEAP, INC	şri	7 - 11 - 7.
Signature:	40///	Date:/	<u> </u>
Name:	David C. Lundmärk		
Title:	Chief Patent Officer		

PATENT REEL: 060038 FRAME: 0669

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RECORDED: 05/27/2022