PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	12/10/2018

CONVEYING PARTY DATA

Name	Execution Date
ZARBAÑA DIGITAL FUND LLC	12/14/2018

RECEIVING PARTY DATA

Name:	INTELLECTUAL VENTURES ASSETS 115 LLC	
Street Address:	251 LITTLE FALLS DRIVE	
City:	WILMINGTON	
State/Country:	DELAWARE	
Postal Code:	19808	

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	7107386
Patent Number:	7426603
Patent Number:	6886122

CORRESPONDENCE DATA

Fax Number: (425)679-0580

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.

Email: ivrecording@intven.com

Correspondent Name: INTELLECTUAL VENTURES MANAGEMENT- IP LEGAL

Address Line 1: 3150 139TH AVENUE SE
Address Line 2: BUILDING 4, FLOOR 3

Address Line 4: BELLEVUE, WASHINGTON 98005

NAME OF SUBMITTER: CASSANDRA BRAGET	
SIGNATURE: /Cassandra Braget/	
DATE SIGNED:	01/22/2019

Total Attachments: 3

source=Zarbana Digital Fund Assignment to Intellectual Ventures Assets 115_10 Dec 2018#page1.tif source=Zarbana Digital Fund Assignment to Intellectual Ventures Assets 115_10 Dec 2018#page2.tif source=Zarbana Digital Fund Assignment to Intellectual Ventures Assets 115_10 Dec 2018#page3.tif

PATENT 505290033 REEL: 048093 FRAME: 0925

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Zarbaña Digital Fund LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignor"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 115 LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignee"), all of Assignor's right, title, and interest in and to the following (collectively, the "Assigned Patent Rights"):

(a) the patents and patent applications listed in the table below (the "*Patents*");

Patent/		Issue Date/	
Application Number	Country	Filing Date	Title of Patent and Inventors
7107386	US	9/12/2006	MEMORY BUS
(10/759376)		(1/15/2004)	ARBITRATION USING
		•	MEMORY BANK
			READINESS
			Stephen Clark Purcell; Scott
			Kimura
7426603	US	9/16/2008	Memory bus arbitration using
(11/499015)		(8/4/2006)	memory bank readiness
			Clark, Purcell Stephen; Scott,
			Kimura
FR2790832	FR	6/8/2001	METHOD FOR TESTING
(FR9902823)		(3/8/1999)	INTEGRATED CIRCUITS
			WITH MEMORY ELEMENT
			ACCESS
			BARTHEL DOMINIQUE
GB1159628	GB	12/18/2002	METHOD FOR TESTING
(GB00909440.0)		(3/7/2000)	INTEGRATED CIRCUITS
			WITH MEMORY ELEMENT
			ACCESS
			BARTHEL DOMINIQUE
6886122	US	4/26/2005	METHOD FOR TESTING
(09/936487)		(1/25/2002)	INTEGRATED CIRCUITS
*			WITH MEMORY ELEMENT
			ACCESS
			Dominique Barthel

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PATENT

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- (b) any future reissues, reexaminations, extensions, continuations, continuing prosecution application, requests for continuing examinations, divisions, and registrations of any of the Patents;
- (c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and
- (d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c), including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights.

ASSIGNOR:

Zarb	ıña Digital Fund LLC		
By:	1/1/1000		
Name	: Rocky Adornato		
Title:	Authorized Person		
	STATE OF WASHINGTON	1)	
	COUNTY OF KING)ss.	
	On Dec. 14. 2018	, before me, <u>) Any L. Goebel</u> personally appeared <u>Rody Adomate</u> .	, Notary
	Public in and for said State, p	personally appeared <u>Roder Rolomate</u> s.	personally
	known to me (or proved to m	e on the basis of satisfactory evidence) to be the pe	erson whose
	name is subscribed to the wit	thin instrument and acknowledged to me that he/s	he executed
	the same in his/her authorized	d capacity, and that by his/her signature on the install of which the person acted, executed the install	strument the

REEL: 048093 FRAME: 0927

	WITNESS my hand and official seal.	
	Signature Notary Public, State of Washington	(Seal)
	My Commission expires: Fib 18, 2019	NOTARY PUBLIC STATE OF WASHINGTON
ASSIC	SNEE:	FEBRUARY 9, 2019
Intelle	ctual Ventures Assets 115 LLC	Same and the All Marie
By:	Marita	
	Rocky Adornato	
Title:	Authorized Person	
	STATE OF WASHINGTON))ss.	
	COUNTY OF KING)	
	On De 14. 2018 , before me, Daniel Public in and for said State, personally appeared Rocky known to me (or proved to me on the basis of satisfactory ex name is subscribed to the within instrument and acknowled the same in his/her authorized capacity, and that by his/her person, or the entity upon behalf of which the person acted	ridence) to be the person whose ged to me that he/she executed signature on the instrument the
	WITNESS my hand and official seal. Signature	(Seal) JANICE L. GOEBEL NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES
		COMMISSION EXPIRES FEBRUARY 9, 2019

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RECORDED: 01/22/2019