506273118 09/26/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6319865

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN M. CIOFFI	09/24/2020
CHAN-SOO HWANG	09/25/2020
IOANNIS KANELLAKOPOULOS	09/24/2020
JISUNG OH	09/24/2020
KENNETH J. KERPEZ	09/24/2020

RECEIVING PARTY DATA

Name:	ASSIA SPE, LLC
Street Address:	1209 ORANGE ST.
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17033437

CORRESPONDENCE DATA

Fax Number: (650)856-0542

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.

Phone: 6508567564

Email: docket1@northweber.com

Correspondent Name: NORTH WEBER & BAUGH LLP

Address Line 1: 3260 HILLVIEW AVENUE

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ATTORNEY DOCKET NUMBER:	20145-120US
NAME OF SUBMITTER:	DOMARINA ALKHAS
SIGNATURE:	/Domarina Alkhas/
DATE SIGNED:	09/26/2020

Total Attachments: 7

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PATENT REEL: 053894 FRAME: 0252

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PATENT REEL: 053894 FRAME: 0253 **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, the

individual(s) named below (hereinafter "INVENTOR" whether singular or plural) has sold,

assigned, transferred, and set over, and hereby sells, assigns, transfers and sets over, to ASSIA

SPE, LLC, a corporation of the State of Delaware, having a place of business at 1209 Orange St.,

Corporation Trust Center, Wilmington, DE 19801 ("ASSIGNEE"), for itself and its successors,

transferees, and assignees, the following:

1. The full and exclusive worldwide right, title, and interest in and to all inventions and

improvements ("SUBJECT MATTER") that are disclosed in the U.S. patent application,

entitled "WIRELESS-WIRELINE PHYSICALLY CONVERGED ARCHITECTURES"

("APPLICATION"),

✓ Which is a Nonprovisional application

☑ Bearing Application No. 17/033,437

and filed on September 25, 2020.

2. The entire worldwide right, title, and interest in and to the APPLICATION and all

applications claiming priority to the APPLICATION or having related SUBJECT MATTER

to the APPLICATION, including all such utility, divisional, continuation, substitute,

renewal, reissue, international, or other related applications and all rights of priority in the

APPLICATION, together with all rights to recover damages for infringement.

INVENTOR hereby authorizes and requests the Commissioner of the U.S. Patent and Trademark

Office, and Patent Office Officials in all foreign countries, to issue to the ASSIGNEE any and all

patents which may be granted from the APPLICATION.

INVENTOR will, without further consideration, communicate to the ASSIGNEE any facts known

to the INVENTOR regarding the SUBJECT MATTER, testify in any legal proceeding, sign all

lawful papers, execute all oaths, assignments, powers of attorney, applications and any other paper

desired by ASSIGNEE to obtain, perfect, or secure to ASSIGNEE any and all of the rights, titles,

and interests herein conveyed, and to maintain, enforce, and defend these rights, titles, and interests

in the United States and all foreign countries. INVENTOR further agrees to provide any successor,

Page 1 of 7

PATENT

Title: WIRELESS-WIRELINE PHYSICALLY CONVERGED ARCHITECTURES

Inventor(s): Cioffi et al. Appl. No.: 17/033,437

Filing Date: September 25, 2020

Docket No.: 20145-120US

assign, or legal representative of ASSIGNEE with the benefits and assistance provided to

ASSIGNEE herein.

INVENTOR represents that the INVENTOR, at the time of the execution of this Assignment, is

the sole and lawful owner of the entire rights, titles, and interests in and to the SUBJECT MATTER

as set forth in the APPLICATION, and that the SUBJECT MATTER is unencumbered, and that

the INVENTOR has good and full right and lawful authority to sell and convey the SUBJECT

MATTER in the manner herein set forth.

INVENTOR covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter

make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and

interests herein conveyed.

INVENTOR agrees to, and hereby acknowledges, that the ASSIGNEE may apply for and receive

patents related to the APPLICATION or SUBJECT MATTER.

INVENTOR grants the attorney of record for the APPLICATION the power to insert on this

Assignment any further identification, including the application number and filing date, which

may be desirable or necessary to comply with the rules of the United States Patent and Trademark

Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an

original and all of which may be taken together as one and the same Assignment. INVENTOR

signature blocks are located on the following pages.

Page 2 of 7

PATENT REEL: 053894 FRAME: 0255

Inventor(s): Cioffi et Appl. No.: 17/033,4 Filing Date: Septemb Docket No.: 20145-12	37 er 25, 2020		
Docket No.: 20143-12	.005		
INVENTOR Name:	John M. Cioffi		
INVENTOR Address	: 323 Stockbridge Ave.		
	Atherton, CA 94027		
INVENTOR Signatur	Docusigned by: John Lioffi		
Date of Signature:		9/24/2020	
-			
Witnessed By:		[Print Name]	
Witness Signatures		[Fine Pane]	
Witness Signature:			
Date of Signature:			
State of		A notary public or other officer completing this certificate verifies only the identity of the individual who signed the	
County of		document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.	
On	, before me	personally appeared,	
[Date]		in the basis of satisfactory evidence to be the	
[INVENTOR] person(s) whose name(s	s) is/are subscribed to the w	rithin instrument and acknowledged to me that	
ne/she/they executed th	e same in his/her/their auth	norized capacity(ies), and that by his/her/their	
agnature(s) on the instruction in the instruction i	_	entity upon behalf of which the person(s) acted,	
	raph is true and correct.	e laws of the State of	
WITNESS my hand and	l official seal.		
Sionature		(Seal)	

Inventor(s): Appl. No.: Filing Date: Docket No.:	Cioffi et al. 17/033,437 September 25, 20145-120US	2020	
INVENTOR INVENTOR	Address:	Chan-Soo Hwang 67, Seongchon-gil, Uni Seoul, Republic of Kor	
INVENTOR Date of Signa	_	Docusigned by: Chan—Soo Hwang MAFCBDB9BA4B7472.) 9/25/2020
Witnessed By Witness Sign Date of Signa	ature:		[Print Name]
State of)	A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
ne/she/they executed the in	e name(s) is/accuted the sar the instrumentstrument.	_, who proved to me or are subscribed to the wi me in his/her/their auth at the person(s), or the e	personally appeared, not the basis of satisfactory evidence to be the aithin instrument and acknowledged to me that orized capacity(ies), and that by his/her/their ntity upon behalf of which the person(s) acted, laws of the State of
WITNESS my	hand and offi	cial seal.	
Signature			(Seal)

Inventor(s): Cioffi et al.		
Appl. No.: 17/033,437 Filing Date: September 2:	5. 2020	
Docket No.: 20145-120U		
INVENTOR Name:	Ioannis Kanellakopoul	os
INVENTOR Address:	1100 Uccelli Dr., Apt	1131
	Redwood City, CA 940	063
INVENTOR Signature	Docusigned by: loannis kanulal	copoulos 9/24/2020
Date of Signature:		9/24/2020
Witnessed By:		[Print Name]
Witness Signature:		
Date of Signature:		
State ofCounty of)	A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
On[Date]	, before me	personally appeared,
		on the basis of satisfactory evidence to be the
he/she/they executed the s	ame in his/her/their auth	rithin instrument and acknowledged to me that norized capacity(ies), and that by his/her/their entity upon behalf of which the person(s) acted,
I certify under PENALTY	OF PERJURY under the	e laws of the State of
that the foregoing paragrap	oh is true and correct.	
WITNESS my hand and of	fficial seal.	
Signature		(Seal)

Inventor(s): Cioffi et Appl. No.: 17/033,4: Filing Date: September Docket No.: 20145-12	27 or 25, 2020	
INVENTOR Name: INVENTOR Address	Jisung Oh 829 La Para Ave. Palo Alto, CA, 94306	
INVENTOR Signatur Date of Signature:	0DB54BA2B3D643B	/24/2020
Witnessed By: Witness Signature: Date of Signature:		[Print Name]
State ofCounty of) v	A notary public or other officer completing this certificate erifies only the identity of the individual who signed the locument to which this certificate is attached, and not the ruthfulness, accuracy, or validity of that document.
On[Date]	, before me	personally appeared, and Title of Officer] he basis of satisfactory evidence to be the
person(s) whose name(s he/she/they executed th	e same in his/her/their author ument the person(s), or the enti	in instrument and acknowledged to me that ized capacity(ies), and that by his/her/their ty upon behalf of which the person(s) acted,
I certify under PENALT that the foregoing parag	•	ws of the State of
Signature		_ (Seal)

Inventor(s):	Cioffi et al.			
Appl. No.:	17/033,437			
Filing Date:	September 25	5, 2020		
Docket No.:	20145-120U	S		
INVENTOR	Name:	Kenneth J. Kerpez		_
INVENTOR	Address:	150 Old Farmers Rd.		_
		Long Valley, NJ 07853		_
INVENTOR	_	bocusigned by: kenneth kennen		
Date of Signa	ature:		9/24/2020	
Witnessed B	y:		[Print Name]	_
Witness Ciam	4			
Witness Sign	iature:			_
Date of Signa	ature:			
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State of County of)	A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.	Ī
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certify under	PENALTY (OF PERJURY under the	laws of the State of	
		h is true and correct.	· · · · · · · · · · · · · · · · · · ·	_
WITNESS my	hand and of	ficial seal.		
7.			(O 1)	
Signature			(Seal)	

WIRELESS-WIRELINE PHYSICALLY CONVERGED ARCHITECTURES

Page **7** of **7**