### 505703097 10/02/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5749907

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MEHRDAD SOUMEKH	09/10/2019
VASILIA COTTRELL	09/27/2019

#### **RECEIVING PARTY DATA**

Name:	UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE ARMY	
Street Address:	PENTAGON	
City:	WASHINGTON	
State/Country:	D.C.	
Postal Code:	20310	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16590608

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)704-2226

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:** 703-704-1765

**Email:** richard.j.kim3.civ@mail.mil

Correspondent Name: DEPT OF THE ARMY AMC LEGAL CENTER, APG

Address Line 1: AMCLC-APG-BLV

Address Line 2: 10235 BURBECK ROAD

Address Line 4: FORT BELVOIR, VIRGINIA 22060-5806

ATTORNEY DOCKET NUMBER:	NVL 3405
NAME OF SUBMITTER:	RICHARD J. KIM
SIGNATURE:	/RICHARD J. KIM/
DATE SIGNED:	10/02/2019

#### **Total Attachments: 4**

source=2ContractorAssign3405#page1.tif source=2ContractorAssign3405#page2.tif source=2ContractorAssign3405#page3.tif

PATENT 505703097 REEL: 050601 FRAME: 0560

source=2ContractorAssign3405#page4.tif

PATENT REEL: 050601 FRAME: 0561

# **ASSIGNMENT**

# FROM CONTRACTOR-EMPLOYEE TO CONTRACTOR AND FROM CONTRACTOR TO GOVERNMENT

(AMC-R 825-2)

APPLICATION FOR:Interferometric Synthetic Aperture Acoustic Imager
Short Title of Invention Steven S. Bishop; Timothy R. Moore; Peter M. Gugino; Robert H. Luke, III; Brett T. Smith; INVENTOR(S): Mehrdad Soumekh; Murray S. Korman; Kathryn P. Kirkwood
* SERIAL NO: * FILING DATE: DATE OATH EXECUTED:
CONTRACTOR: MANUFACTURING TECHNIQUES, INC.
CONTRACT NO: W909MY 12 DOWS , TASK 02002 0036
SUBCONTRACTOR: <u>MEHPDAD SOUMEKH</u>
* Data not known at execution time may be added later for better identification.
WHEREAS, under the terms of the above-identified Government contract with the United States Government the Contractor ** agreed, inter alia, to grant to the Government certain rights under inventions and/or discoveries conceived or first actually reduced to practice in the performance of said contract; and
WHEREAS, the above-identified patent application discloses invention(s) within the purview of said rights agreed to be granted by the Contractor to the Government; and
WHEREAS, the Government desires that the assignment rights provided for by said contract in and to said invention(s) be confirmed; and
WHEREAS, under the employment contract, agreement or arrangement the Contractor-employer is entitled an assignment in and to certain inventions made by the inventor(s) as part of his (their) duties as employee(s) the Contractor; and
WHEREAS, the above-identified invention(s) was/were made in the performance of the above-identified contract and under such circumstances as to entitle the Government to an assignment of the entire right, title and interest in and to said invention(s) and any and all applications for Letters Patent thereon and in and to an and all Letters Patent granted on said application, subject only to a nonexclusive royalty free license to Contractor, said license to be non-transferable except to the successor of that part of the Contractor's business to which said license is appurtenant.
NOW, THEREFORE, be it known that for and in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, I (we), the inventor(s), do sell, assign, and transfer to the Contractor-employer the entire right, title and interest in and to said invention(s) and patent application and in and to all Letters Patent wherever they may be granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoye by the said Contractor-employer to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by me (us) had this assignment not been made.

AMC FORM 1258-R-E JUL 94

they occur.)

EDITION OF AUG 64 MAY BE USED UNTIL EXHAUSTED

\*\*(The terms "Contract" and "Contractor" shall include subcontract and subcontractor, if applicable, wherever

Page 1 of 4

PATENT REEL: 050601 FRAME: 0562

ASSIGNMENT (Continued)				
PRIME CONTR	ACTOR AND N	IUMBER: W909MU	12 1000	R MB
SUBCONTRAC	<b>x</b>	EHRDAD IN M	FKH	
APPLICATION	FOR: Int	erferometric Synthetic Aper	ture Acoustic I	mager
INVENTOR(S):	n S. Bishop; Timothy R	Moore: Peter M. Gugino; Robert H. Luke	, III; Brett T. Smith; M	ehrdad Soumekh; Murray S. Korman; Kathryn P. Kirkwo
SERIAL NO:			FILING DATE:	
마음을 통해 다음이다. 물건 해당이 다음이 다음이		는 회사는 발생하는 사람들이 함께 들었을 때 하루고 있었다. . 그 문제 호텔에는 경기들은 사람이 있다는 사람들은 사람들이 있다.		7 / / /
		<		1///
SIGNATURE C	F INVENTOR	<u> </u>	62/ Lin	
		(First Name)	(Middle Initial)	(Last Name)
ADDRESS:	Bethesda	Montgomery		Maryland
ADDRESS.	(Locality)	(County)		(State)
DATE: S		R 10 2019		Mehrdad Soumekh
STATE OF	110.000 0	<b>(2)</b>		(Inventor's typed name)
COUNTY OF	MONTERY		SS.	
On the abov	Mehr	rdad Soumekh	known to me	to be the individual described in and
		nstrument, duly appeared be		knowledged to me that he executed th
	wn free act and			병 이 동안 있다. 이 경험에 하고 말하는 생각이 함께 하는 말라고 있다면 있다. 
	NOTARY SEAL			
	. McPhelim, Notai			
montgomery	County, Bethesda	i. Marviand	ateses.	
My Commis	sion Fynires Mau	25 2021	attlembered see	
My Commis	sion Expires May.	<sup>25, 2</sup> My commission expires	on	Cignotino of Noton
		<sup>25, 200</sup> commission expires	on <i>\$43.000</i>	Signature of Notary
My Commis		<sup>25, 200</sup> commission expires		
		25, 2002) commission expires (First Name)	on	Signature of Notary  (Last Name)
SIGNATURE C		<sup>25, 200</sup> commission expires		
	OF INVENTOR	25. 2007 commission expires  (First Name)		(Last Name)
SIGNATURE C		<sup>25, 200</sup> commission expires		
SIGNATURE C ADDRESS: DATE:	OF INVENTOR	25. 2007 commission expires  (First Name)		(Last Name)
SIGNATURE C ADDRESS: DATE: STATE OF	OF INVENTOR (Locality)	25, 200 commission expires  (First Name)  (County)	(Middle Initial)	(Last Name) (State)
SIGNATURE C ADDRESS: DATE: STATE OF	OF INVENTOR (Locality)	25. 2007 commission expires  (First Name)		(Last Name) (State)
SIGNATURE C ADDRESS: DATE: STATE OF	OF INVENTOR (Locality)	25, 200 commission expires  (First Name)  (County)	(Middle Initial)	(Last Name) (State)
SIGNATURE C ADDRESS: DATE: STATE OF COUNTY OF	(Locality)	25, 2My commission expires  (First Name)  (County)	(Middle Initial)	(Last Name) (State) (Inventor's typed name)
ADDRESS:  DATE: STATE OF COUNTY OF	)F INVENTOR (Locality)	(First Name) (County)	(Middle Initial) SS.	(Last Name) (State) (Inventor's typed name) e to be the Individual described in and
SIGNATURE CONTROL OF COUNTY OF COUNT	oF INVENTOR (Locality)  ve date the foregoing i	25, 2007 commission expires  (First Name)  (County)  )  hstrument, duly appeared be	(Middle Initial) SS.	(Last Name) (State) (Inventor's typed name)
SIGNATURE CONTROL OF COUNTY OF COUNT	)F INVENTOR (Locality)	25, 2007 commission expires  (First Name)  (County)  )  hstrument, duly appeared be	(Middle Initial) SS.	(Last Name) (State) (Inventor's typed name) e to be the Individual described in and
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	25, 2007 commission expires  (First Name)  (County)  )  hstrument, duly appeared be	(Middle Initial) SS.	(Last Name) (State) (Inventor's typed name) e to be the Individual described in and
SIGNATURE C  ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	25, 2007 commission expires  (First Name)  (County)  )  hstrument, duly appeared be	SS, known to me	(State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the
ADDRESS:  DATE: STATE OF COUNTY OF  On the above who executed same as his or	oF INVENTOR (Locality)  ve date the foregoing i	(First Name)  (County)  nstrument, duly appeared be deed:	SS, known to me	(State) (Inventor's typed name) e to be the individual described in and knowledged to me that he executed the

AMC FORM 1266-R-E JUL 94 Page 2 of 4

ASSIGNMENT (Continued)		경영화 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PRIME CONTRACTOR	AND NUMBER: <u>W909MU 120008</u>	0036
SUBCONTRACTOR:	MEHRDAD DUMEKH	
APPLICATION FOR: _	Interferometric Synthetic Aperture Acoustic Ir	nager
INVENTOR(S):	Cimothy R. Moore; Peter M. Gugino; Robert H. Luke, III; Brett T. Smith; Mehrdad So	oumekh; Murray S. Korman; Kathryn P. Kirkwood
SERIAL NO:	FILING DATE:	

#### CONTRACTOR'S ASSIGNMENT

The above-identified Contractor for and in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, by these presents does sell, assign, and transfer to the United States Government, as represented by the Secretary of the Army and his successors in office:

ONE: The entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to said invention(s) and patent application and in and to any and all Letters Patent granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoyed by the said Government of the United States, to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by the Contractor had this assignment not been made, subject only to the license, as above recited, which license extends to Contractor and to existing and future associated and affiliated companies, if any, within the corporate structure of which Contractor is a part, and which license is hereby reserved.

TWO: The entire right, title and interest, in all foreign countries, in and to said invention(s) and in and to all foreign Letters Patent, subject only to the license, as above recited, which license extends to Contractor and to existing and future associated and affiliated companies, if any, within the corporate structure of which Contractor is a part, and which license is hereby reserved.

NOTE: The Contractor may delete this paragraph TWO by crossing it out and initialing in the margin. If paragraph TWO is deleted, the following paragraph then becomes applicable and forms part of this instrument.

Contractor further grants, conveys, and confirms to the Government of the United States, as represented by the Secretary of Army and his successors in office, in consideration of the premises and other good and sufficient consideration, an irrevocable, nonexclusive, and royalty-free license to practice, and cause to be practiced by and for the Government, in all foreign countries, in the manufacture, use and disposition according to law, any article, material, or method embodied in any and all of the inventions (within the scope of the said certain rights) disclosed in the above-identified patent application, as well as in any and all Letters Patent, for the full term or terms thereof, which may eventuate from or be based thereon, the said license (1) being non-transferable, except that the Government has the right to grant sub-licenses to any foreign government or international organization specifically for use in programs established by international Agreements for research, development, or production of weapons or equipment for mutual defense, and (ii) including the practice of the licensed inventions in the manufacture, use, and disposition of any article or material, in the use of any method, or in the performance of any service acquired by or for the Government or with funds derived through the Military Assistance Program of the Government or otherwise through the Government.

Page 3 of 4

AMC FORM 1256-R-E JUL 94

**RECORDED: 10/02/2019** 

Page 4 of 4

PATENT REEL: 050601 FRAME: 0565