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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		16052623
	Filing Date		2018-08-02
	First Named Inventor	Manli Zhu	
	Art Unit	3992	
	Examiner Name	ESCALANTE, OVIDIO	
	Attorney Docket Number	CreativeTech_01RECm	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	10147439	B1	2018-12-04	Amazon Technologies, Inc., Seattle, WA(US)	
	2	8983057	B1	2015-03-17	Amazon Technologies, Inc., Seattle, WA(US)	
	3	5825898	A	1998-10-20	Lamex Signal Processing Ltd., Haifa, Israel	
	4	9767828	B1	2017-09-19	Amazon Technologies, Inc., Seattle, WA(US)	
	5	9332167	B1	2016-05-03	Amazon Technologies, Inc., Reno, NV(US)	
	6	9363616	B1	2016-06-07	Amazon Technologies, Inc., Seattle, WA(US)	
	7	9997151	B1	2018-06-12	Amazon Technologies, Inc., Seattle, WA(US)	
	8	9591404	B1	2017-03-07	Amazon Technologies, Inc., Seattle, WA(US)	

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9	9734845	B1	2017-08-15	Amazon Technologies, Inc., Seattle, WA(US)	
10	9973849	B1	2018-05-15	Amazon Technologies, Inc., Seattle, WA(US)	
11	9319783	B1	2016-04-19	Amazon Technologies, Inc., Seattle, WA(US)	

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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20040071284	A1	2004-04-15	Abutalebi et al.	
	2	20130265276	A1	2013-10-10	Amazon Technologies, Inc., Reno, NV(US)	
	3	20120327115	A1	2012-12-27	Chhetri et. al.	

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FOREIGN PATENT DOCUMENTS

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NON-PATENT LITERATURE DOCUMENTS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		16052623
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume/issue number(s), publisher, city and/or country where published.	T ⁵
	1	OSAMU HOSHUYAMA, AKIHIKO SUGIYAMA, AND AKIHIRO HIRANO, A Robust Adaptive Beamformer for Microphone Arrays with a Blocking Matrix Using Constrained Adaptive Filters, IEEE TRANSACTIONS ON SIGNAL PROCESSING, VOL. 47, NO. 10, OCTOBER 1999, 8 Pgs	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature	/OVIDIO ESCALANTE/	Date Considered	12/10/2019
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.08. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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- ☐ See attached certification statement.
- ☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/a tankha/	Date (YYYY-MM-DD)	2019-12-09
Name/Print	Ashok Tankha	Registration Number	33802

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