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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( 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_01RECon		

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	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	Lamar 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 <sup>1</sup>	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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	1							<input type="checkbox"/>

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## **NON-PATENT LITERATURE DOCUMENTS**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( 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 <sup>5</sup>
	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		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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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)	2020-01-03
Name/Print	Ashok Tankha	Registration Number	33802

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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.