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Combine with: ☐ AND ☐ OR

CC Invention ☒ CPT ☒ CUB ☐ CQA

CC Additional ☒ CCA ☒ CJA ☐ CQA

CC Linked ☒ CLC ☒ CLW ☐ CLQ

IC ☐

PT ☐

PI ☐

UC ☐

KW ☐

Free Query (EPOQUE Language) ☐

Other Patent Databases ☐

Database Search query

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Search in PATENT Target Databases

Concept 1 ☐ Concept 2 ☐ Overview

Show Advanced Details - All Facet Results: Operator: AND

CONCEPT 1: Concept 1

EN: {mosquito+ or insect+} 1d counter+

DE -

FR -

CONCEPT 2: Concept 2

EN: {acoustic_sensor or microphone+}

DE -

FR -

Databases ☐ SS Status Results Query Comment

SPATEN	1	208006	{MOSQUITO+ OR INSECT+} AND COUNTER+	(Direct Search)
	2	1312	{MOSQUITO+ OR INSECT+} 2D COUNTER+	(Direct Search)
	3	1082	{MOSQUITO+ OR INSECT+} 1D COUNTER+	(Direct Search)
	4	1082	{MOSQUITO+ OR INSECT+} 1D COUNTER+	(Direct Search) Concept 1: Concept 1
	5	1011690	{ACOUSTIC_SENSOR OR MICROPHONE+}	(Direct Search) Concept 2: Concept 2
	6	1012749	{1 Facet} (4) OR (5)	1 Facet: (Direct Search)
	7	23	{2 Facets: (4 AND 5)}	2 Facets: (Direct Search)

9 Families Selected.

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The diagram illustrates a smart mosquito and insect trap device (200A). It features a housing (201) with a narrow path (240) leading to a detection area (255). A processor (352) is located at the bottom of the housing. Various sensors are connected to the processor, including an Inaudible Sound Sensor (282), Audible Sound Sensor (283), Video Sensor (284), IR Sensor (285), Proximity Sensor (286), and Ultrasonic Sensor (287). A Solar Charger System (205) is also connected to the processor. The device is designed to detect and trap mosquitoes and insects, and it can be used to detect the presence of a virus like Zika.

1	WO2016168347	Q
2	US2007121319	
3	US2007109782	
4	US2007109763	
5	US2007086199	
6	US2007014549	
7	US6707384	
8	WO02088700	
9	US5646404	

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Combine with: ☐ AND ☐ OR

CC Invention ☒ CCI ☒ CUI ☒ CCA ☐

CC Additional ☒ CCA ☒ CUA ☐ CQA ☐

CC Linked ☒ CLC ☒ CLU ☐ CLQ ☐

IC ☐

FT ☐

FI ☐

UC ☐

AW ☐

Free Query (EPOQUE Language)

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English Query

Met Id frequencies

German Query

French Query

Clear the Fields Facet Search Select Databases Search - Patents

Databases	SS	Status	Results	Query	Comment
SPATER	1		208006	(MOSQUITO+ OR INSECT+) AND COUNTER+	(Direct Search)
	2		1312	(MOSQUITO+ OR INSECT+) ID COUNTER+	(Direct Search)
	3		1082	(MOSQUITO+ OR INSECT+) ID COUNTER+	(Direct Search)
	4		1082	(MOSQUITO+ OR INSECT+) ID COUNTER+	(Direct Search) Concept 1: Concept 1
	5		101180	(ACQUSTIC_BNGOR OR MICROPHONE+)	(Direct Search) Concept 2: Concept 2
	6		1012749	(1 Facet) (A1 OR D5)	1 Facet: (Direct Search)
	7		23	(2 Facets) (4 AND 3)	2 Facets: (Direct Search)
	8		129	MEL ID FREQUENCIES	(Direct Search)

65 Families Selected.

Expand rows (Cluster Dbs)

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US2017278527 WO2017172632 US9922664

EPDOC / EPO

PN - US2017278527 A1 20170928

PNFP - US9922664 B2 20180320

TI - (A1)

Text - CHARACTERIZING, SELECTING AND ADAPTING AUDIO AND ACOUSTIC TRAINING DATA FOR AUTOMATIC SPEECH RECOGNITION SYSTEMS

Desc - (B2)

Class - Characterizing, selecting and adapting audio and acoustic training data for automatic speech recognition systems

Ext - (A1 B2)

AB - A system for and method of characterizing a target application acoustic domain analyzes one or more speech data samples from the target application acoustic domain to determine one or more target acoustic characteristics, including a CODEC type and bit-rate associated with the speech data samples. The determined target acoustic characteristics may also include other aspects of the target speech data samples such as sampling frequency, active bandwidth, noise level, reverberation level, clipping level, and speaking rate. The determined target acoustic characteristics are stored in a memory as a target acoustic data profile. The data profile may be used to select and/or modify one or more out of domain speech samples based on the one or more target acoustic characteristics.

CC - G10L15/065 ; G10L21/003 ; G10L15/20

CUI - G10L15/063 ; G10L25/30 ; G10L19/0018 ; G10L19/06

CCA - G10L2015/0631

PA - (A1 B2)

IN - NUANCE COMMUNICATIONS INC [US]

CT - (A1 B2)

SHARMA DUSHYANT [GB]; NAYLOR PATRICK [GB]; JOST UWE HELMUT [GB]

STSE (B2)

US2014337026 A1 20141113 [] (CHIKAWA OSAMU [JP], et al); WO2015143580 A1 20151001 [] (HUAWEI TECH CO LTD [CN])

RFNP - (B2)

Ludwig T., "Comfort Noise Detection and GSM-FR-CODEC Detection for Speech-Quality Evaluations in Telephone

702

704

706

708

710

712

714

END

700

Flowchart:

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graph TD
    BEGIN([BEGIN]) --> 702[Pre-process the speech data samples to determine one or more of (i) selection of a target language associated with the speech data samples and (ii) removing any of the speech data samples that do not represent recognizable speech.]
    702 --> 704[Analyze one or more speech data samples from the ATD to determine a target data profile being one or more target audio and acoustic characteristics]
    704 --> 706[Store the target data profile in a memory]
    706 --> 708[Analyze one or more OOD speech data samples to determine an OOD data profile associated with the OOD speech data samples]
    708 --> 710[Compare the target data profile to the OOD data profile]
    710 --> 712[Based on the compare, select one or more of the OOD speech data samples as being similar to the speech data samples from the ATD]
    712 --> 714[Modify one or more OOD speech samples based on the one or more target acoustic characteristics]
    714 --> END([END])
  
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History | Trash | BNG Print | Printer | Drawer 1 | Drawer 2 | Drawer 3 | Drawer 4 | Drawer 5

New

01	US2017278527	Q
02	EP3182729	
03	WO2017059881	
04	WO2017046109	
05	US2016336003	
06	US2016300580	
07	US2016284347	
08	WO2016102954	
09	US9275136	
10	US2016027432	
11	US2016005391	
12	US2016005403	
13	US2016005392	
14	WO2016000061	
15	US2015365725	
16	EP2945156	
17	US2015318002	
18	WO2015092492	
19	EP2854128	
20	US2015066925	
21	US2015037770	
22	WO2014190496	
23	WO2014027962	
24	US2013202120	
25	US2013005255	
26	US2012224711	
27	GB2487795	
28	US8185490	
29	EP2431967	
30	WO2012001216	
31	US2011307260	
32	US2011282668	
33	US2011276323	
34	US2011218802	
35	US2011106587	
36	WO2011001002	
37	US2010324900	
38	US2010305948	
39	WO2010122056	
40	US2010198587	
41	US2010185713	
42	WO2010019831	
43	US2009313016	
44	WO2009027980	
45	US2009012785	
46	US2009004633	
47	US2007198263	
48	US2007198261	
49	EP1818909	
50	EP1580730	
51	EP1526508	
52	US2005049876	
53	US2004148160	
54	US2004138888	
55	WO02086867	
56	WO02062120	
57	US2001056347	
58	GB2357231	
59	US6199041	
60	US5146539	
61	EP0290190	
62	US20010158468	