

1) Family number: 34050058 (US2010284246A)

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Title: SEISMOGRAPHY SYSTEM

Abstract: The present invention provides a method and apparatus for providing simplified seismological surveys with increased accuracy and ease of use. The present invention uses data received from satellite positioning systems to obtain time and position information. The information is used to determine transmission times of pressure waves between a seismic source and a seismic sensor.

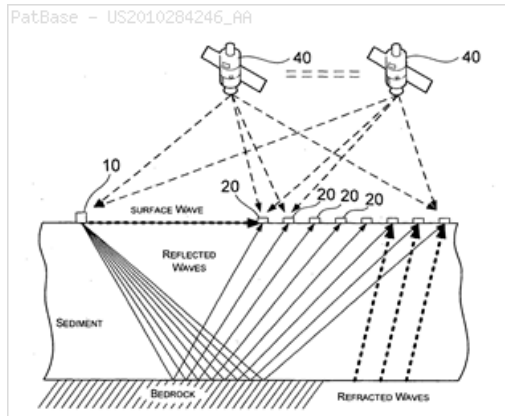
Classifications:

International (IPC 8-9): G01S19/24 G01S19/42 G01V1/00 G01V1/26 G01V1/28 (Advanced/Invention); G01V1/00 (Core/Invention)

CPC: G01V1/003 G01V1/16

European: G01V1/00B G01V1/16

US: 342/357.25 342/357.250S 342/357.63 342/357.630S 367/14 367/14P



Family:

Publication number	Publication date	Application number	Application date
AU2007310561 AA	20080502	AU20070310561	20071023
CA2698658 AA	20100304	CA20072698658	20071023
EP2076798 A2	20090708	EP20070825633	20071023
GB200621015 A0	20061129	GB20060021015	20061023
GB2443248 A1	20080430	GB20060021015	20061023
US2010284246 AA	20101111	US20070446005	20071023
WO08050236 A2	20080502	WO20071B03423	20071023
WO08050236 A3	20100225	WO20071B03423	20071023

Priority:

GB20060021015 20061023 WO20071B03423 20071023

Probable Assignee: VECCHIONE ELLO

Assignee(s): (std): KEEGAN CONOR ; VECCHIONE ELIO ; VECCHIONE ELLO

Assignee(s): CONOR KEEGAN ; ELIO VECCHIONE

Inventor(s): (std): VECCHIONE ELLO ; VECCHIONE ELIO ; KEEGAN CONOR

Inventor(s): ELIO VECCHIONE ; CONOR KEEGAN

Agent(s): GRIFFITH HACK; BCF LLP; FOURCADE EMMANUELLE; PERMAN AND GREEN LLP; MIDGLEY JONATHAN LEE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 70159212 (US2019147173A)

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Title: INFORMATION SECURITY/PRIVACY VIA A DECOUPLED SECURITY ACCESSORY TO AN ALWAYS LISTENING ASSISTANT DEVICE

Abstract: An always-listening-capable decoupled accessory for a computing device is disclosed. The accessory comprises an electronic sensor, configured to record user input comprising an utterance or gesture, and a gatekeeping module implemented by a processor, wherein all data received by the communications module based on data from the first electronic sensor passes through the gatekeeping module while a gatekeeping function is disabled, wherein no data based on data from the first electronic sensor passes through the communications module while the gatekeeping function is enabled, wherein all data input to the gatekeeping module is received via an exclusive input lead from the first electronic sensor, and wherein all data output from the gatekeeping module is transmitted via an exclusive output lead to a component other than the first electronic sensor. The processor determines that user input comprises a first input content and in response automatically transmits a message to the computing device.

Classifications:

International (IPC 8-9): G06F1/16 G06F1/32 G06F21/60 G06F21/62 G06F21/70 G06F3/16 G10K11/178 G10L15/22 G10L15/26 G10L15/30 G10L25/78 H04L29/06 H04M1/725 H04W12/02 (Advanced/Invention)

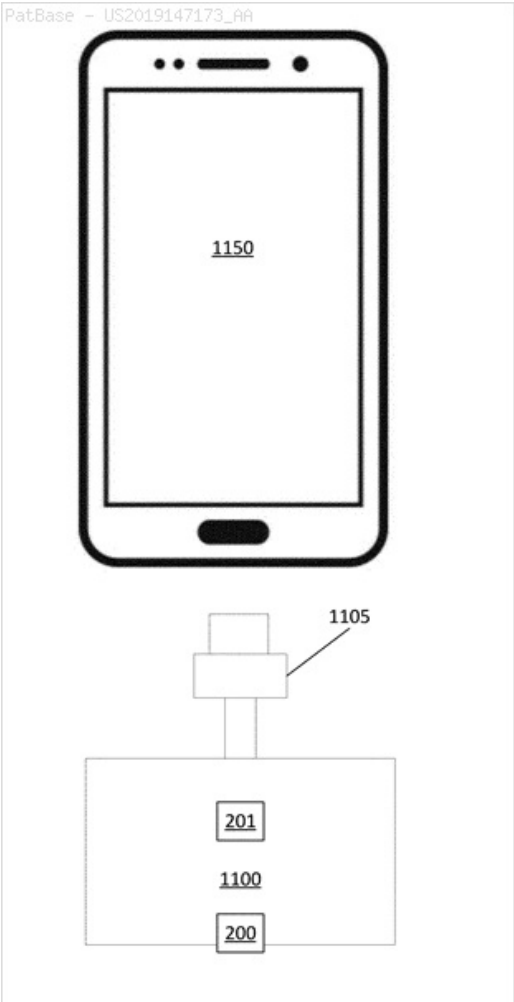
CPC: G06F3/0481 G10L15/22 G10L2015/088 G10L2015/223

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G06F3/041 H04M1/72563 G06F3/017 G06F21/629 H04L63/0861

H04W12/00508 H04W12/02 G06F21/604 G06F21/50 H04M1/72527

H04M1/72577 G06F3/167 G06F21/32 G06F21/6245 G06F1/3215
G06F1/3231 G06F1/3234 G06F3/16 G10L25/78 G10L2025/783
G10K11/16 G10K11/17861 G10K2210/106 G10K2210/108
G10K11/17837 G10K11/17854 G10L15/26
US: 1/1 181/206 704/275 726/26



Family:

Publication number	Publication date	Application number	Application date
US2019147173 AA	20190516	US20180198573	20181121
US2019147847 AA	20190516	US20180198588	20181121
US2019147848 AA	20190516	US20180198594	20181121
US2019147874 AA	20190516	US20180198600	20181121
US2019147905 AA	20190516	US20180010725	20180618
US2019174306 AA	20190606	US20190267364	20190204
US10002259 BA	20180619	US20170812679	20171114
WO19099302 A1	20190523	WO2018US60110	20181109

Priority:

US20170812679 20171114	US20180010725 20180618	US20180198588 20181121
US20180198594 20181121	US20180198600 20181121	US20180198573 20181121
US20190267364 20190204		

Probable Assignee: MAI XIAO

Assignee(s): (std): MAI XIAO ; MAI XIAO MING

Inventor(s): (std): MAI XIAO ; MAI XIAO MING

Agent(s): WEITZMAN LAW OFFICES LLC; WEITZMAN KENNETH

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 62962246 (US2016212245A) © PatBase

Title: SPARSITY ESTIMATION FOR DATA TRANSMISSION

Abstract: Disclosed herein are systems and methods for compressing data and for estimating sparsity of datasets to aid in compressing data. A device receives a plurality of samples of the sensor data from the sensor and determine a plurality of bits, in which each bit has a substantially equal probability of being determined as a 0 bit or of being determined as a 1 bit. The device estimates a sparsity value of the sensor data based at least in part on the sequence of bits. The device compresses the received samples of the sensor data based at least in part on the determined sparsity value to provide compressed data and transmits the compressed data via the transmitter to a receiver. Sparse data other than sensor data may also be compressed based at least in part on an estimated sparsity value.

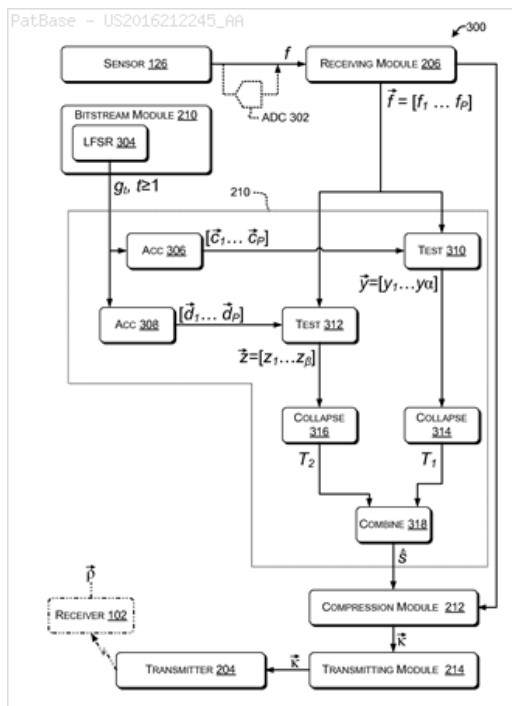
Classifications:

International (IPC 8-9): G06F15/16 H04L29/06

H04L29/08 (Advanced/Invention)

CPC: H04L69/04 H04L67/12

US: 1/1 709/247



Family:

Publication number	Publication date	Application number	Application date
US2016212245 AA	20160721	US20150602159	20150121
US10057383 BB	20180821	US20150602159	20150121

Priority:

US20150602159 20150121

Probable Assignee: MICROSOFT CORP

Assignee(s): (std): MICROSOFT CORP ; MICROSOFT TECHNOLOGY LICENSING LLC

Inventor(s): (std): SHOAIB MOHAMMED ; LIU JIE

Agent(s): DRINKER BIDDLE AND REATH LLP

4) Family number: 43091291 (US2009089107A)

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Title: METHOD AND APPARATUS FOR RANKING A CUSTOMER USING DYNAMICALLY GENERATED EXTERNAL DATA

Abstract: A computer implemented method, apparatus, and computer usable program product for ranking a potential customer. In one embodiment, external data associated with the potential customer is processed in a set of data models to generate a set of risk assessment factors for the potential customer. The external data comprises dynamic customer data elements generated in real-time as the potential customer is approaching a retail facility. The potential customer is ranked based on the risk assessment factors. The ranking indicates whether the potential customer poses a possible risk to the retail facility. In response to the ranking indicating that the potential customer poses the possible risk, actions are initiated to deter the potential customer from entering the retail facility.

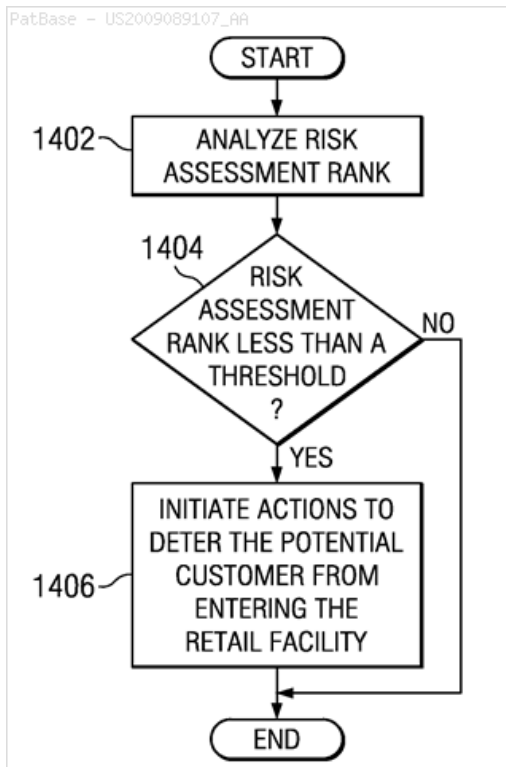
Classifications:

International (IPC 8-9): G06F17/10 G06F17/30 G06F17/40
G06Q10/00 G06Q30/00 G08B21/22 G08B27/00 (Advanced/Invention)

CPC: G06Q10/00 G06Q10/0635 G06Q30/00 G06Q30/0185
G08B13/1961

European: G06Q10/00 G06Q10/0635 G06Q30/00 G06Q30/0185
G08B13/196A4

US: 705/318 705/318S 705/7 705/7.28 705/7.280P 705/7P

**Family:**

Publication number	Publication date	Application number	Application date
US2009089107 AA	20090402	US20070862323	20070927

Priority:

US20070862323 20070927

Probable Assignee: IBM**Assignee(s):** (std): ANGELL ROBERT LEE ; KRAEMER JAMES R**Assignee(s):** DAEDALUS GROUP LLC ; IBM ; INT BUSINESS MACHINES CORP**Inventor(s):** (std): KRAEMER JAMES R ; ANGELL ROBERT LEE**Agent(s):** DUKE W YEE**5) Family number: 42271438 (US2008249793A)**

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Title: METHOD AND APPARATUS FOR GENERATING A CUSTOMER RISK ASSESSMENT USING DYNAMIC CUSTOMER DATA

Abstract: A computer implemented method, apparatus, and computer usable program product for generating a customer risk assessment score. In one embodiment, the process parses dynamic data associated with a customer to identify patterns of events. The dynamic data comprises metadata describing an appearance and behavior of the customer. The patterns of events are analyzed to identify risk assessment factors for the customer. A risk assessment analysis is dynamically performed using the risk assessment factors for the customer to generate a risk assessment score for the customer while the customer is shopping in a retail facility. The risk assessment score indicates a potential risk posed by the customer to the retail facility.

Classifications:**International (IPC 8-9):** G06F17/30 G06F19/00 G06Q10/00

G06Q10/06 G06Q30/00 G06Q30/02 G06Q30/06

G07G1/00 (Advanced/Invention);

G06Q90/00 (Advanced/Non-invention);

G06F17/30 G06F19/00 G06Q10/00 G06Q30/00

G07G1/00 (Core/Invention);

G06Q90/00 (Core/Non-invention)

CPC: G06Q30/0252 G06Q30/0239 G06Q30/0277 G06Q30/0244

G06Q30/0207 G06Q30/0269 G06Q30/0222 G06Q30/0253

G06Q30/0234 G06Q30/00 G06Q30/0225 G06Q30/0226 G06Q30/0236

G06Q30/06 G06Q30/0255 G06Q30/0264 G06Q30/0254 G06Q30/0267

G07G1/00 G06Q10/06375 G06Q30/0201 G06Q30/0204 G06Q30/02

G06Q30/0271

European: G06Q10/06375 G06Q30/00 G06Q30/02 G06Q30/0201

G06Q30/0204 G06Q30/0207 G06Q30/0222 G06Q30/0225

G06Q30/0226 G06Q30/0234 G06Q30/0236 G06Q30/0239

G06Q30/0244 G06Q30/0252 G06Q30/0253 G06Q30/0254

G06Q30/0255 G06Q30/0264 G06Q30/0267 G06Q30/0269

G06Q30/0271 G06Q30/0277 G06Q30/06 G07G1/00

US: 1/1 705/1 705/1.1 705/1.100P 705/1.100S 705/10 705/10P

705/14 705/14.1 705/14.100P 705/14.23 705/14.230P 705/14.25

705/14.26 705/14.260P 705/14.27 705/14.270P 705/14.270S

705/14.34 705/14.340P 705/14.36 705/14.360S 705/14.39

705/14.390P 705/14.43 705/14.430P 705/14.5 705/14.500P

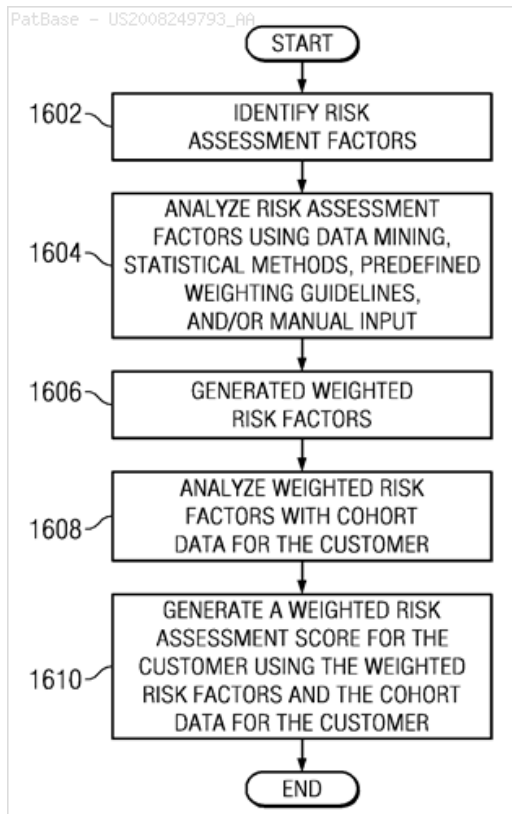
705/14.51 705/14.510S 705/14.52 705/14.520P 705/14.520S

705/14.53 705/14.530P 705/14.530S 705/14.57 705/14.61

705/14.610S 705/14.64 705/14.640S 705/14.66 705/14.660S

705/14.67 705/14.670P 705/14.670S 705/14.73 705/14.730S

705/7.29 705/7.290S 705/7.33 705/7.330P 705/7.37 705/7.370S

**Family:**

Publication number	Publication date	Application number	Application date
US2008249793 AA	20081009	US20070862306	20070927
US2008249835 AA	20081009	US20070744024	20070503
US2008249836 AA	20081009	US20070769409	20070627
US2008249837 AA	20081009	US20070862279	20070927
US2008249838 AA	20081009	US20070862299	20070927
US2008249851 AA	20081009	US20070695983	20070403
US2008249856 AA	20081009	US20070743982	20070503
US2008249857 AA	20081009	US20070756198	20070531
US2008249858 AA	20081009	US20070764524	20070618
US2008249859 AA	20081009	US20070771252	20070629
US2008249864 AA	20081009	US20070861520	20070926
US2008249865 AA	20081009	US20070861528	20070926
US2008249866 AA	20081009	US20070861590	20070926
US2008249867 AA	20081009	US20070861729	20070926
US2008249868 AA	20081009	US20070862294	20070927
US2008249869 AA	20081009	US20070862320	20070927
US2008249870 AA	20081009	US20070862374	20070927
US8639563 BB	20140128	US20070769409	20070627
US8775238 BB	20140708	US20070862320	20070927
US8812355 BB	20140819	US20070771252	20070629
US8831972 BB	20140909	US20070862306	20070927
US9031857 BB	20150512	US20070743982	20070503
US9031858 BB	20150512	US20070861729	20070926
US9092808 BB	20150728	US20070862294	20070927
US9361623 BB	20160607	US20070862299	20070927
US9626684 BB	20170418	US20070695983	20070403
US9685048 BB	20170620	US20070862279	20070927
US9846883 BB	20171219	US20070756198	20070531

Priority:

US20070695983 20070403	US20070743982 20070503	US20070744024 20070503
US20070756198 20070531	US20070764524 20070618	US20070769409 20070627
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US20070862374 20070927	US20070862306 20070927	

Probable Assignee: IBM

Assignee(s): (std): ANGELL ROBERT LEE ; IBM ; KRAEMER JAMES R

Assignee(s): INT BUSINESS MACHINES CORP ; INTERNATIONAL BUSINESS MACHINES CORP ; WILMINGTON TRUST NATIONAL ASSOCIATION ; DAEDALUS GROUP LLC ; GLOBALFOUNDRIES INC ; GLOBALFOUNDRIES US 2 LLC

Inventor(s): (std): KRAEMER JAMES R ; ANGELL ROBERT LEE

Agent(s): DUKE W YEE; YEE AND ASSOCIATES PC; JOHN R; MAEVE L; MAEVE M

Title: ACQUIRING AND TRANSMITTING EVENT RELATED TASKS AND SUBTASKS TO INTERFACE DEVICES

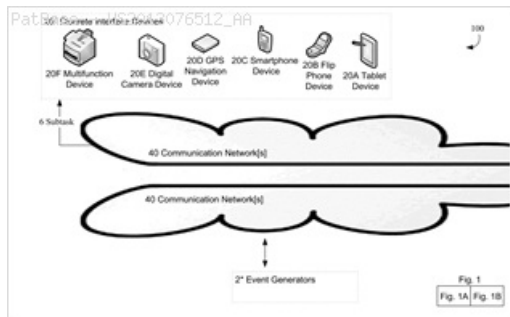
Abstract: Computationally implemented methods and systems include detecting an occurrence of an event, acquiring one or more subtasks configured to be carried out by two or more discrete interface devices, the subtasks corresponding to portions of one or more tasks of acquiring information related to the event, facilitating transmission of the one or more subtasks to the two or more discrete interface devices, and receiving data corresponding to a result of the one or more subtasks executed by two or more of the two or more discrete interface devices. In addition to the foregoing, other aspects are described in the claims, drawings, and text.

Classifications:

International (IPC 8-9): G06F15/16 G06F9/445 G06F9/46 G06F9/50 G06F9/54 G06Q10/06 G08B21/00 G08B23/00 (Advanced/Invention)

CPC: G06F9/5072 G06F2209/5013 G06F2209/5017 G06F9/5044 G06F9/5027 G06Q10/10 G06F21/6281 G06Q10/06 G06Q10/06311 G06F9/542 G06F9/5005 G06F21/554 H04L67/10 G06F9/46

US: 1/1 340/540 718/100 718/100 718/102 718/102 718/106 718/107 719/318

**Family:**

Publication number	Publication date	Application number	Application date
US2013076512 AA	20130328	US20120436463	20120330
US2013081018 AA	20130328	US20110317833	20111028
US2013081019 AA	20130328	US20110374518	20111230
US2013081020 AA	20130328	US20110374522	20111230
US2013081021 AA	20130328	US20110374527	20111230
US2013081022 AA	20130328	US20120436550	20120330
US2013081027 AA	20130328	US20110317591	20111021
US2013081028 AA	20130328	US20110341901	20111230
US2013081029 AA	20130328	US20110373794	20111129
US2013081030 AA	20130328	US20110373795	20111129
US2013081031 AA	20130328	US20110374511	20111230
US2013081032 AA	20130328	US20120436464	20120330
US2013081033 AA	20130328	US20120436544	20120330
US2013081049 AA	20130328	US20110373826	20111130
US2013081050 AA	20130328	US20110373829	20111130
US2013081051 AA	20130328	US20110374512	20111230
US2013081052 AA	20130328	US20110374514	20111230
US2013081053 AA	20130328	US20110200553	20110923
US2013086589 AA	20130404	US20110200797	20110930
US2013174160 AA	20130704	US20110374529	20111230
US2017031735 AA	20170202	US20160221492	20160727
US9269063 BB	20160223	US20120436464	20120330
US9710768 BB	20170718	US20120436463	20120330

Priority:

US20110200553 20110923	US20110200797 20110930	US20110317591 20111021
US20110317833 20111028	US20110373794 20111129	US20110373795 20111129
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US20120436464 20120330	US20160221492 20160727	

Probable Assignee: ELWHA LLC

Assignee(s): (std): ELWHA LLC A LTD LIABILITY CO OF STATE OF DELAWARE ; ELWHA LLC A LTD LIABILITY CO OF STATE OF DELEWARE ; ELWHA LLC A LTD LIABILITY CO OF STATE OF DELAWARE ; RINALDO JR JOHN D ; LEVIEN ROYCE A ; MALAMUD MARK A ; LORD ROBERT W ; LORD RICHARD T ; ELWHA LLC A LTD LIABILITY COMPANY OF THE STATE OF DELEWARE ; ELWHA LLC ; ELWHA LLC A LTD LIABILITY COMPANY OF THE STATE OF DELAWARE

Assignee(s): ELWHA LLC A LIMITED LIABILITY COMPANY OF THE STATE OF DELAWARE ; ELWHA LLC A LIABILITY CO OF STATE OF DELAWARE LTD ; ELWHA LLC A LIABILITY CO OF STATE OF DELAWARE LTD ; ELWHA LLC A LIMITED LIABILITY COMPANY OF THE STATE OF DELEWARE ; ELWHA LLC A LIMITED LIABILITY COMPANY OF THE STATE OF DELAWARE

Inventor(s): (std): LORD RICHARD T ; MALAMUD MARK A ; LORD ROBERT W ; RINALDO JR JOHN D ; LEVIEN ROYCE A

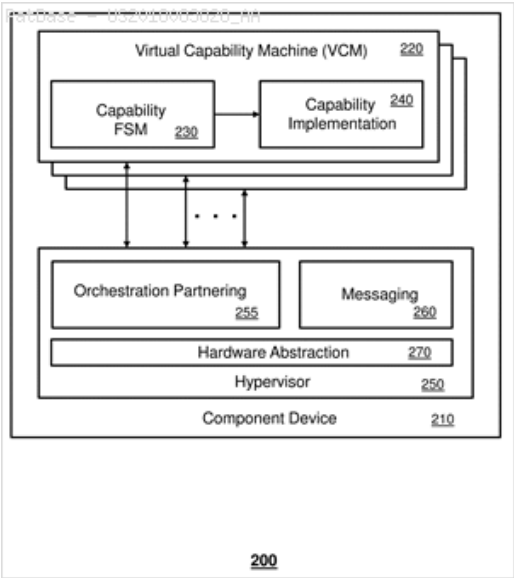
Title: METHOD AND APPARATUS FOR EXTENDING SERVICE CAPABILITIES IN A COMMUNICATION NETWORK

Abstract: Aspects of the subject disclosure may include, for example, a method including selecting a solution set of devices from a set of candidate devices connected to a network to provide a service via a virtual device, generating a virtual finite state machine to control execution of the required functions of the virtual device via selected capabilities of each device of the solution set of devices transmitting, to a controller device of the solution set of devices, the virtual finite state machine, wherein execution of the virtual finite state machine by the controller device causes the controller device to control the required functions of the virtual device via the selected capabilities of each device of the solution set of devices, and transmitting, to non-controller devices of the solution set of devices, software data and configuration data, wherein execution of the software data at the non-controller devices according to the configuration data causes the non-controller devices to perform the selected capabilities according to signals sent by the controller device.

Classifications:

International (IPC 8-9): H04L12/24 (Advanced/Invention)

CPC: H04L41/0853 H04L41/0893 H04L41/5041 H04L41/0803



Family:

Publication number	Publication date	Application number	Application date
US2018083828 AA	20180322	US20160270091	20160920
US2019238401 AA	20190801	US20190376769	20190405
US10298448 BB	20190521	US20160270091	20160920

Priority:

US20160270091 20160920 US20190376769 20190405

Probable Assignee: AT AND T INTELLECTUAL PROPERTY I LP

Assignee(s): (std): AT AND T IP I LP

Assignee(s): AT AND T INTELLECTUAL PROPERTY I L P ; AT AND T INTELLECTUAL PROPERTY I LP

Inventor(s): (std): HIGGINS ROBERT M ; CARTAYA JULIO ; HGGNS ROBERT M ; CARTAYA JULO

Agent(s): GUNTIN AND GUST PLC; SCHNABEL DOUGLAS

8) Family number: 74177718 (US2019130718A)

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Title: FACILITY MONITORING APPARATUS AND METHOD

Abstract: An autonomous facility monitoring apparatus and method in a facility can remain on at all times and functions to determine whether an unauthorized person has entered or is attempting to enter the facility and/or whether an environmental danger exists or is predicted. Continuously monitoring physical characteristics of a person and/or location of a person in the facility provides information for automatically detecting and signaling a detrimental health condition, for automatically controlling operation of apparatus of the facility, for operating gaming features, and so on.

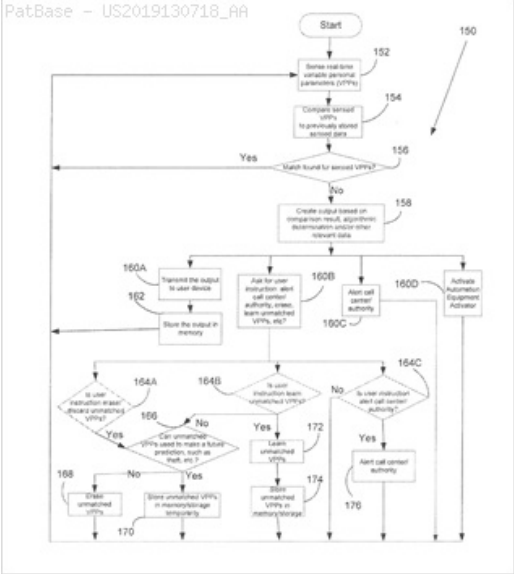
Classifications:

International (ipc 8-9): G08B19/00 G08B25/00 G08B26/00

G08B27/00 (Advanced/Invention)

CPC: G08B19/00 G08B27/005 G08B26/008 G08B25/006

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019130718 AA	20190502	US20180168078	20181023

Priority:

US20170575548P 20171023 US20180168078 20181023

Probable Assignee: ALPERT MARTIN

Assignee(s): (std): ALPERT MARTIN

9) Family number: 70343829 (US2018189913A)

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Title: METHODS AND SYSTEMS FOR SECURITY TRACKING AND GENERATING ALERTS

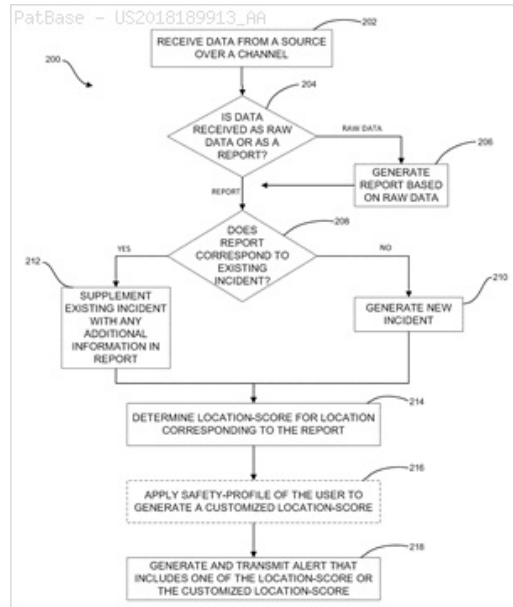
Abstract: A computerized method for monitoring, analyzing, normalizing, applying, predicting, etc., various conditions. The method may comprise receiving data from a source over a channel, generating a report based on the data. The report may contain information associated with one or more events assembled in a standardized format responsive to determining the report corresponds to a first existing incident. The method may include supplementing an existing incident with the information of the report, the existing incident being one of a plurality of existing incidents stored in a database and including information corresponding to one or more events at a specified location and a specified time. The method may also include generating a location-score at a specified location and/or a safety-score for an individual, object, and/or asset at the specified location.

Classifications:

International (IPC 8-9): G06N99/00 G06Q G06Q50/26 H04W4/02 H04W4/22 (Advanced/Invention); G06Q (Subclass/Invention)

CPC: H04W4/22 G06Q50/265 H04W4/029 H04W4/90 G06N20/00 H04W4/023 G06Q40/08 G06Q50/26 H04W4/021

US: 1/1 705/325

**Family:**

Publication number	Publication date	Application number	Application date
IL267727 A0	20190829	IL20170267727	20171229
US2018189913 AA	20180705	US20170625982	20170616
WO19180473 A2	20190926	WO20171B01801	20171229

Priority:

US20160441325P 20161231 US20170625982 20170616 WO2017US69099 20171229

Probable Assignee: AVA INFORMATION SYSTEMS GMBH

Assignee(s): (std): BLOCKPEEK GMBH ; KNOPP SASCHA TOBIAS MARTIN ; STOJANOVIC ALEKSANDAR

Assignee(s): AVA INFORMATION SYSTEMS GMBH

Inventor(s): (std): KNOPP SASCHA MARTIN TOBIAS ; STOJANOVIC ALEKSANDAR ; KNOPP SASCHA TOBIAS MARTIN ; STOJANOVIC ALEKSANDER ; KNOPP SASCHA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW