

Search query (11): [SP]: background[0001] computer systems are currently in wide use. some such computer systems include electronic mail systems. electronic mail systems allow users to compose, send and receive electronic mail messages and perform other electronic mail system functionality.[0002] other computing systems include location systems, such as mapping systems. mapping systems expose user input mechanisms that allow users to enter location information. the location information is then used to display a map to the user. some mapping systems expose user input mechanisms that allow users to mark certain locations on the displayed map. this is sometimes described as placing a pin or other location marker on the map.[0003] some electronic mail systems allow a user to attach location information, provided by a mapping system, to an electronic mail message. in order to view the location information, a recipient opens the attachment. in other scenarios, a user can paste a link to location information in an electronic mail message. when a recipient wishes to view the location information, the recipient actuates the link and is navigated to a separate user experience for viewing the location information.[0004] the discussion above is merely provided for general background information and is not intended to be used as an aid in determining the scope of the claimed subject matter.summary[0005] an electronic mail system detects actuation of location integration functionality and populates a compose pane in the electronic mail system with an interactive map display, that is populated in-line with other message content in the compose pane. a user can interact with the interactive map display to perform mapping functionality to modify the interactive map display.[0006] this summary is provided to introduce a selection of concepts in a simplified form that are further described below in the detailed description. this summary is not intended to identify key features or essential features of the claimed subject matter, nor is it intended to be used as an aid in determining the scope of the claimed subject matter. the claimed subject matter is not limited to implementations that solve any or all disadvantages noted in the background.brief description of the drawings[0007] fig. 1 is a block diagram of one example of a computing system architecture.[0008] fig. 2 is a more detailed block diagram of a location integration system.[0009] fig. 3 is a flow diagram illustrating one example of the operation of the architecture shown in fig. 1 in allowing a user to author a location message.[0010] figs. 3a-3d show examples of user interface displays.[0011] fig. 4 is a flow diagram illustrating the operation of one example of the architecture shown in fig. 1 in allowing a recipient to interact with a location message.[0012] fig. 5 is a flow diagram illustrating one example of the operation of the architecture shown in fig. 1 in allowing a user to search for and incorporate additional location information into a location message.[0013] fig. 6 is a block diagram showing one example of itinerary generation logic in more detail. [0014] fig. 7 is a flow diagram illustrating one example of the operation of the architecture shown in fig. 1, and the itinerary generation logic, in allowing a user to generate an itinerary.[0015] fig. 7a is one example of a user interface display.[0016] fig. 8 shows the architecture of fig. 1, deployed in a cloud computing architecture.[0017] figs. 9-11 are examples of mobile devices that can be used in the architectures of the previous figures.[0018] fig. 12 is a computing environment that can be used in the architectures of the previous figures.detailed description[0019] fig. 1 is a block diagram of one example of a computing system architecture 100. architecture 100 illustratively includes computing systems 102-104 connected to one another through network 106. network 106 can be any of a wide variety of different types of networks, such as a wide area network, a local area network, a near field communication network, among others.[0020] fig. 1 also shows that, in one example, architecture 100 includes a plurality of different location information sources 108, 110, 112, and it can include a map service 114. location information sources 108-112 are illustratively sources that provide information based on location. for instance, one of location information sources 108-112 may be a weather information service that exposes an interface (such as an api) that can be called to obtain weather forecast information based on location. another source 108-112 may be a traffic information service that exposes an api to provide current or predicted traffic information based upon location. sources 108-112 may also include services that provide information indicative of hotels, embassies, restaurants, points of interest or a wide variety of other information, based upon location.[0021] map service 114 is illustratively a service that can be called by computing systems 102-104 to obtain mapping information. in one example, the various location information sources 108-112 and map service 114 illustratively expose application programming interfaces (or apis) that can be consumed or interacted with by computing systems 102-104 in order to obtain information from the various information sources and services.[0022] computing system 102 is shown generating user interfaces 116-118 with user input mechanisms 120-122 for interaction by users 124-126, respectively. users 124-126 illustratively interact with user input mechanisms 120-122 in order to control and manipulate computing system 102.[0023] similarly, computing system 104 is shown generating user interfaces 128-130 with user input mechanisms 132-134 for interaction by users 136-138. users 136-138 illustratively interact with user input mechanisms 132-134, respectively, in order to control and manipulate computing system 104.[0024] computing system 102 illustratively includes processors or servers 140, electronic mail system 142, location processing system 144, user interface logic 146, data store 148, and it can include a wide variety of other computing system functionality 150. e-mail system 142 illustratively includes location integration system 152 and a wide variety of other e-mail functionality 154. location processing system 144 illustratively includes map interaction logic 156, itinerary generation logic 158, itinerary navigation logic 160, and it can include a wide variety of other location processing functionality 162.[0025] electronic mail system 142 can be an email service or a client component of an email service, or a combination. it illustratively generates user interface displays with user input mechanisms that allow users 124-126 to perform electronic mail operations, such as compose messages, send and receive messages, reply to messages, attach items, arrange mailbox folders, etc. location integration system 152 illustratively allows the users to integrate location information in the form of an interactive map display into electronic mail messages. in doing so, system 152 integrates the interactive map display into the electronic mail message in-line with other message content, to form a location message.[0026] location processing system 154 illustratively performs processing based on location information. it can, itself, be a local mapping system, or it can be a client component of map service 114, as an example. thus, in processing location information, it can access map service 114, or do processing on its own, or do a combination of the two, or perform location processing in other ways. map interaction logic 156 illustratively generates information that can be used in generating the interactive map display, that is then integrated into an electronic mail message by location integration system 152. it illustratively detects user interaction with the user input mechanisms on the interactive map display and performs processing based on those detected user interactions. it can do this when the user interacting with the location message is the author of the message, or a recipient.[0027] itinerary generation logic 158 illustratively accesses information in the location message generated by the user and automatically (either on its own or in response to a user input), generates a proposed or suggested itinerary based on the location information and other information integrated into the e-mail system. it also illustratively generates user input mechanisms that allow the user to modify the itinerary.[0028] itinerary navigation logic 160 illustratively generates navigation functionality that allows the user to navigate to various points on the itinerary, when the user is using the itinerary. it illustratively provides directions, traffic information, and other information, such as when to leave for a particular location, given current traffic and weather conditions, etc. it can facilitate a wide variety of other navigation functionality as well.[0029] data store 148 illustratively stores various applications, and information for both e-mail sy

Results: 9

1) Family number: 65567039 (US2017124266A)

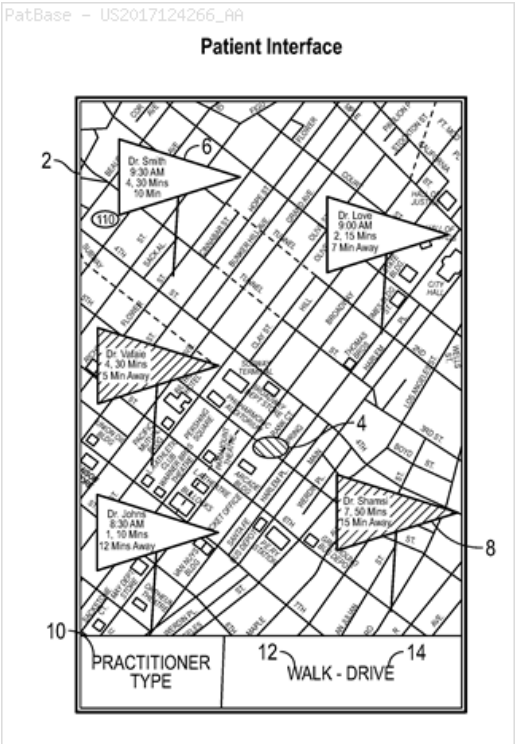
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Abstract:

A practitioner network and appointment management system is presented that coordinates between end users and practitioners to enable networked appointment scheduling and management. The system includes an end user side and a practitioner side. End

user side enables control of a scalable interactive map whereon practitioner data points are displayable by medical discipline. Practitioner first order data (including time to availability) is visually cued. Selection of a practitioner data point enables end user entry to a practitioner queue, which updates practitioner first order data across the network. Patient data is automatically transferrable to the practitioner queue by secure protocol. Practitioner side enables access of practitioner queue and selection of patients occupying designated slots therein to view associated patient data. Patient locations are displayable to practitioner for in-person visits. Practitioners can transfer patients into other practitioner queues. HIPPA compliant secure data exchange and financial transactions are enabled across the network.



2) Family number: 67746299 (US2017353411A) © PatBase

Title:	LOCATION INTEGRATION INTO ELECTRONIC MAIL SYSTEM																																																																																																													
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Assignee(s):	ZHONG LIN ; SONI SHAHIL																																																																																																													
Inventor(s):(std):	LIN ZHONG ; SHAHIL SONI ; SONI SHAHIL ; ZHONG LIN																																																																																																													
Agent(s):	DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; ESTUDIO VILLASECA Y CIA; GODDAR HEINZ J; NTD PATENT AND TRADE MARK AGENCY LTD; LANNY SETIAWAN MBA MGMT MA LPC MA LMFT; INABA YOSHIYUKI; MINHAS SANDIP ET AL																																																																																																													
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US class: 1/1 709/206

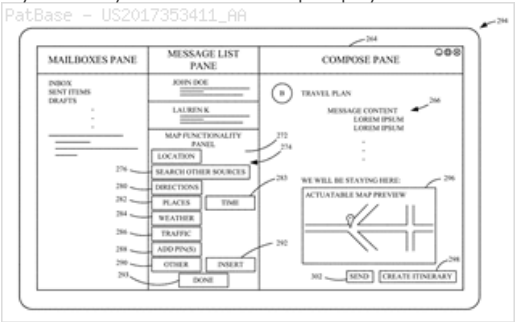
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Cited documents: US2017124266 AA, US2012316782 AA, US2010125478 AA, US2010012547 AA, US2009112457 AA, US2008162037 AA, US2008109712 AA,

Forward Citations: US2017357684,

Abstract:

An electronic mail system detects actuation of location integration functionality and populates a compose pane in the electronic mail system with an interactive map display, that is populated in-line with other message content in the compose pane. A user can interact with the interactive map display to perform mapping functionality to modify the interactive map display.



3) Family number: 41786421 (US2008109712A)

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Title: METHOD, SYSTEM, AND PROGRAM PRODUCT SUPPORTING AUTOMATIC SUBSTITUTION OF A TEXTUAL STRING FOR A URL WITHIN A DOCUMENT

Priority: US20060556793 20061106

Family:

Publication number	Publication date	Application number	Application date
US2008109712 AA	20080508	US20060556793	20061106

Probable Assignee: IBM

Assignee(s):(std): MCBREARTY GERALD F ; MULLEN SHAWN P ; MURILLO JESSICA K ; SHIEH JOHNNY MENG HAN

Assignee(s): IBM ; INT BUSINESS MACHINES CORP

Inventor(s):(std): MCBREARTY GERALD F ; MULLEN SHAWN P ; MURILLO JESSICA K ; SHIEH JOHNNY MENG HAN

Agent(s): DILLON AND YUDELL LLP

International class (IPC 8-9): G06F17/00 (Advanced/Invention); G06F17/00 (Core/Invention)

CPC: G06F40/166

European class: G06F17/24

US class: 715/208

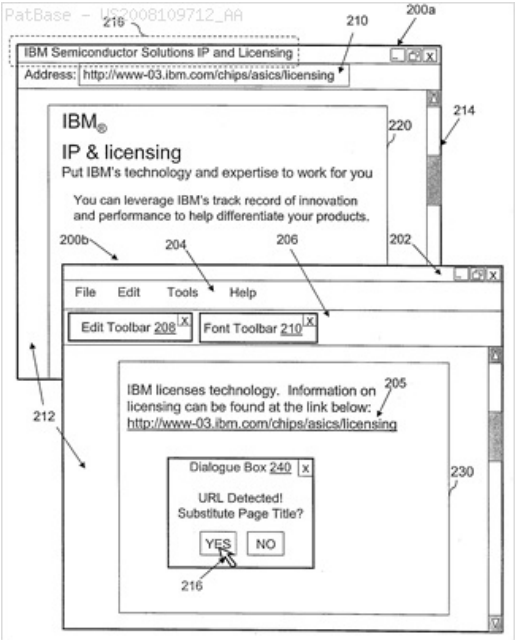
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Cited documents: US7233407 BA, US6928616 BB, US6763496 BA, US6256631 BA, US6067565 A, US5761683 A, US5754737 A, US5724595 A, US2006112094 AA, US2005149851 AA, US2004068527 AA, US2002165954 AA, US2002161824 AA,

Forward Citations: WO19139925, WO17213844, WO16154159, US9411900, US9047259, US8799865, US2018137090, US2012324327, US2011029955, US10650085, US10476768, US10241848, CN107408242,

Abstract:

A method of data processing includes detecting insertion of a uniform resource locator (URL) into text of a document of an application program. In response to detecting insertion of the URL, a web page corresponding to the URL is accessed, and a title of the web page is determined. The URL is then replaced with a textual string derived from the title in place of the URL in the text of the document.



4) Family number: 45002562 (US2010125478A)

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Title: TECHNIQUES FOR VISUAL INTEGRATION OF MEETING SPACE IN CALENDAR SYSTEMS

Priority: US20080271176 20081114 US20140448562 20140731

Family:

Publication number	Publication date	Application number	Application date
US2010125478 AA	20100520	US20080271176	20081114
US2014343978 AA	20141120	US20140448562	20140731
US8799048 BB	20140805	US20080271176	20081114
US9436934 BB	20160906	US20140448562	20140731

Probable Assignee: MICRO FOCUS SOFTWARE INC

Assignee(s):(std): BISHT JITENDER ; NOVELL INC

Assignee(s): BANK OF AMERICA NA ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG ; CREDIT SUISSE COLLATERAL AGENT AG AS ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA SUCCESSOR AGENT AS ; MICRO FOCUS SOFTWARE INC

Inventor(s):(std): BISHT JITENDER

Agent(s): SCHWEGMAN LUNDBERG AND WOESSNER NOVELL; SCHWEGMAN LUNDBERG AND WOESSNER PA

International class (IPC 8-9): G06F3/048 G06Q10/00 G06Q10/02 G06Q10/10 H04W4/04 (Advanced/Invention); H04W4/00 H04W4/02 (Advanced/Non-invention); G06F3/048 G06Q10/00 (Core/Invention)

CPC: G06Q10/1093 H04W4/021 G06Q10/02 G06Q10/1095 G06Q10/109 H04W4/60 H04W4/024 H04W4/33

European class: G06Q10/109 G06Q10/1095 G06Q10/10T

US class: 1/1 705/5 705/7.12 705/7.19 705/7.190P 705/8 705/8P 715/752 715/752S 715/753

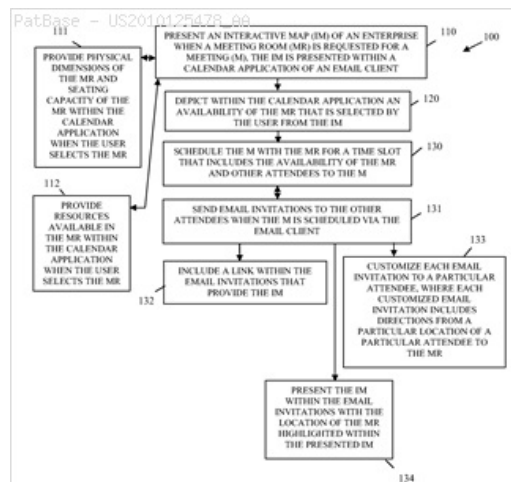
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Cited documents: US8799048 BB, US7913179 BB, US7720893 BB, US7707256 BB, US7446766 BB, US7231423 BA, US7036128 BA, US7027995 BB, US6480830 BA, US5948040 A, US5124912 A, US4857840 A, US2010125478 AA, US2010082239 AA, US2009327227 AA, US2009307043 AA, US2009194137 AA, US2009144143 AA, US2009125367 AA, US2009055234 AA, US2009024442 AA, US2009006994 AA, US2008195608 AA, US2008189197 AA, US2008183483 AA, US2008147472 AA, US2008133524 AA, US2008114840 AA, US2008109718 AA, US2008046170 AA, US2008036778 AA, US2007264968 AA, US2007233695 AA, US2007197229 AA, US2007149214 AA, US2007139191 AA, US2007136218 AA, US2006288010 AA, US2006149778 AA, US2006048066 AA, US2005289524 AA, US2005273372 AA, US2005227712 AA, US2005222890 AA, US2005190053 AA, US2005149561 AA, US2004172277 AA, US2004153334 AA, US2004054428 AA, US2003229441 AA, US2003217073 AA, US2003191772 AA, US2002184063 AA,

Forward Citations: WO17213844, US9989366, US9945680, US9798985, US9798983, US9723035, US9674669, US9632671, US9578122, US9436934, US9264849, US9200903, US8948793, US8434029, US8200520, US2016309304, US2016180259, US2015379446, US2015170060, US2015039357, US2014310630, US2014257883, US2014236642, US2014207510, US2013332219, US2013317873, US2013047120, US2011113148, US2010262926, US10692020, US10664328, US10564667, US10495479, US10454980, US10445664, US10263927, US10171401,

Abstract:

Techniques for visual integration of meeting spaces within a calendar system are presented. A meeting room can be viewed via a map and selected for scheduling a meeting. The map depicts the location of the meeting room within a facility of an enterprise. A meeting scheduler visually sees the meeting room within the map and can select the meeting room and acquire details about the meeting room.

**5) Family number: 43201633** (US2009112457A)

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Title: SENDING LOCATION INFORMATION FROM WITHIN A COMMUNICATION APPLICATION

Priority: US20070923940 20071025 US20110330465 20111219 US20120665051 20121031
US20130142918 20131229 US20150733518 20150608 US20160357825 20161121
US20180049339 20180730

Family:

Publication number	Publication date	Application number	Application date
US2009112457 AA	20090430	US20070923940	20071025
US2012143502 AA	20120607	US20110330465	20111219
US2013053074 AA	20130228	US20120665051	20121031

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■	US2015271644 AA	20150924	US20150733518	20150608
■	US2017070851 AA	20170309	US20160357825	20161121
■	US2018343537 AA	20181129	US20180049339	20180730
■	US8086398 BB	20111227	US20070923940	20071025
■	US8315800 BB	20121120	US20110330465	20111219
■	US8620583 BB	20131231	US20120665051	20121031
■	US9055402 BB	20150609	US20130142918	20131229
■	US9503859 BB	20161122	US20150733518	20150608
■	US10038969 BB	20180731	US20160357825	20161121

Probable Assignee: RESEARCH IN MOTION LTD

Assignee(s):(std): TYSOWSKI PIOTR KONRAD ; SANCHEZ THOMAS ; RESEARCH IN MOTION LTD ; BLACKBERRY LTD

Assignee(s): RESEARCH IN MOTION LIMITED

Inventor(s):(std): TYSOWSKI PIOTR KONRAD ; SANCHEZ THOMAS

Agent(s): ECKERT SEAMANS CHERIN AND MELLOTT; NOVAK DRUCE AND QUIGG LLP; STEVEN M; CAREY RODRIGUEZ GREENBERG AND OKEEFE; CRGO LAW; DONNA; FLEIT GIBBONS GUTMAN BONGINI AND BIANCO PL; FLORES DONNA

International class (IPC 8-9): B60R25/33 G01C11/34 G01C21/00 G01C21/02 G01C21/04 G01C21/20 G01C21/26 G01C21/30 G01C21/34 G01S19/13 G06F3/00 G06F3/0484 H04L12/58 H04W24/00 H04W4/00 H04W4/02 (Advanced/Invention); H04W4/12 (Advanced/Non-invention); G01C21/02 G01C21/20 G01C21/28 (Core/Invention)

CPC: G01C21/30 G01C11/34 G06F3/04847 G06F3/04842 H04L51/08 G01S19/13 H04W4/12 H04W4/025 H04W4/029

European class: G01C11/34 G01C21/30

US class: 1/1 455/456.1 455/456.2 455/456.6 701/201 701/201P 701/207 701/207S 701/208 701/208S 701/213 701/213S 701/408 701/408S 701/438 701/487 701/487P 701/516 701/517 701/533 701/533P

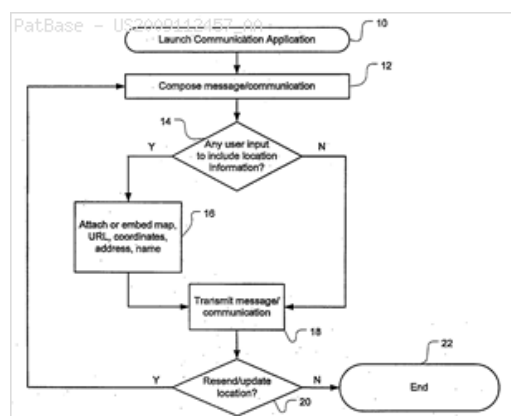
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Cited documents: WO07005969 A1, WO06049603 A1, WO03071825 A1, WO0021268 A2, US9578182 BB, US9571559 BB, US9557889 BB, US9503859 BB, US9386165 BB, US9055402 BB, US8620583 BB, US8315800 BB, US8086398 BB, US6973298 BB, US6888936 BA, US2007185728 AA, US2005210110 AA, US2005197137 AA, US2002077123 AA, JP2003264859 A2, EP1081901 A1, EP1045532 A1,

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Abstract:

A method in a wireless communications device for transmitting current location information representing a current location of the wireless communications device. The method entails, from within a communication application executing on a processor of the wireless communications device, causing the wireless communications device to obtain the current location information representing the current location of the wireless communications device, including the current location information in a communication generated from within the communication application, and transmitting the communication that includes the current location information. The method optionally entails a further step of performing a reverse look-up of GPS coordinates representing the current location to determine address information for including in the communication. Location information, such as maps or URLs to maps can be sent directly from an e-mail application or instant messenger without having to separately launch a mapping application.



6) Family number: 44245681 (US2010012547A)

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Title: PILL CASE
Priority: US20080174840 20080717
Family:

Publication number	Publication date	Application number	Application date
US2010012547 AA	20100121	US20080174840	20080717

Probable Assignee: VARIANT PRODUCTS LTD
Assignee(s):(std): VARIANT PRODUCTS LTD
Inventor(s):(std): GARDNER CHRISTOPHER P
Agent(s): STEPHEN B SALAI ESQ HARTER SECREST AND EMERY LLP
International class (IPC 8-9): A47B88/00 B65D83/04 B65D85/42 (Advanced/Invention); A47B88/00 B65D83/04 B65D85/42 (Core/Invention)
CPC: A61J7/04 B65D83/0445 B65D2583/0468
European class: B65D83/04C K61J7/04 L65D583/04S5
US class: 206/538 206/538S 206/570 221/1 221/1S 312/319.1 312/319.100S

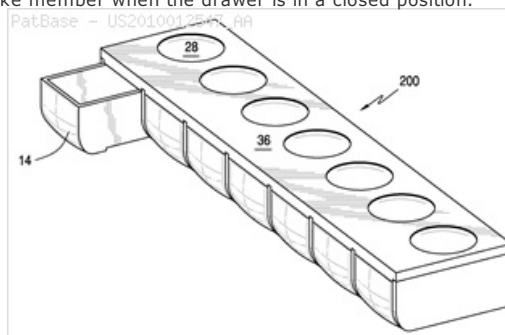
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Cited documents: US6848581 BB, US6785589 BB, US6758338 BB, US6471063 BB, US6338535 BA, US5582323 A, US5372258 A, US5351818 A, US5310082 A, US5139321 A, US4573606 A, US4483626 A, US3888350 A, US3759420 A, US3712510 A, US2007138048 AA, US2006006091 AA,

Forward Citations: WO19239017, USD808637, US9889068, US9326915, US8936175, US2017353411, US2014360954, FR3061153,

Abstract:

A dispenser includes a housing defined by a bay, and a drawer defining an open position and a closed position. The drawer is retained within the bay against a compression force applied by a spring-like member when the drawer is in a closed position.

**7) Family number: 41979713** (US2008162037A)

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Title: LOCATION-BASED INTERACTIVE DISPLAY AND COMMUNICATION SYSTEM
Priority: US20060645727 20061227

Family:

Publication number	Publication date	Application number	Application date
US2008162037 AA	20080703	US20060645727	20061227

Probable Assignee: KING FAHD UNIV OF PETROLEUM AND MINERALS
Assignee(s):(std): HASAN MAHMOUD ASHRAF S
Assignee(s): KING FAHD UNIV OF PETROLEUM AND MINERALS
Inventor(s):(std): HASAN MAHMOUD ASHRAF S
Agent(s): LITMAN LAW OFFICES LTD
International class (IPC 8-9): G01C21/00 G01S5/00 G06Q30/00 (Advanced/Invention); G01C21/00 G01S5/00 G06Q30/00 (Core/Invention)
CPC: G01C21/30 G01S19/14 G06Q30/0235
European class: G01C21/30 G01S19/14 G06Q30/0235
US class: 342/357.01 342/357.52 342/357.520S 701/208 701/213 701/532 701/532P 705/14 705/14.35 705/14.350S

[Classification Explorer](#)

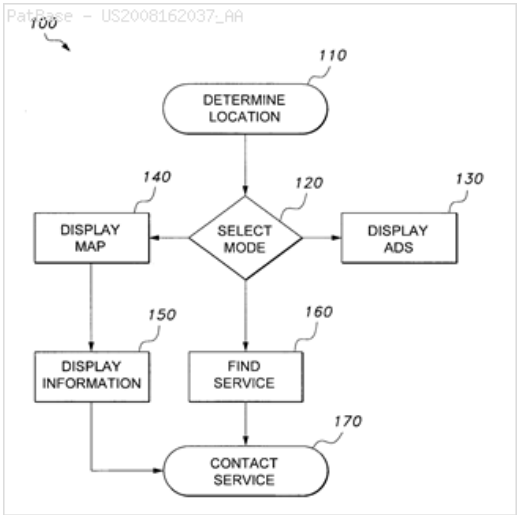
Cited documents: US6947976 BA, US6850837 BB, US6813608 BA, US6526351 BB, US6374177 BA, US6266614 BA, US6085148 A, US6009403 A, US5819227 A, US2005144049 AA, US2005096843 AA, US2003229446 AA, US2002087266 AA,

Forward Citations: WO17213844, USD835148, US9788155, US9781072, US9778062, US9773020, US9715366, US9674665, US9646454, US9615347, US9544724, US9507494, US9501786, US9454769, US9430781, US9408032, US9406079, US9396487, US9396471, US9373116, US9349128, US9338601, US9316738, US9235430, US9230267, US9080891, US9043222, US9032315, US8971805, US8892460, US8798640, US8787928, US8782560, US8738024, US8694245, US8588819, US8340695, US8265658, US8139751, US8082514, US7831654, US2018356243, US2017075646, US2015312207, US2015254277, US2011270642, US2011159885, US2011035675, US2011034184, US2011034129, US2010250592, US2010197219, US2010031194, US2009197620, US2009149200, US2009077485, US2007149219, US10721705, US10648829, US10560798, US10503912, US10475064, US10430492, US10169774,

Abstract:

The location-based interactive display and communication device and method of using the same provides a mobile device having a housing, a processor, a display, a storage medium adapted for storing a database, a user interface, a communication device and a positioning device. The positioning device determines the geographic location of the mobile device and a visual map of the geographic region about the geographic location is displayed on the display of the mobile device. Icons relating to user-selectable areas of interest are further displayed on the visual map, and the user may select a particular icon to show information related to the particular area of interest. The user may then communicate with the particular area of interest and, further, advertisements

related to the geographic region may be selectively displayed on the display. A plurality of visual maps and related information may be stored in the database.



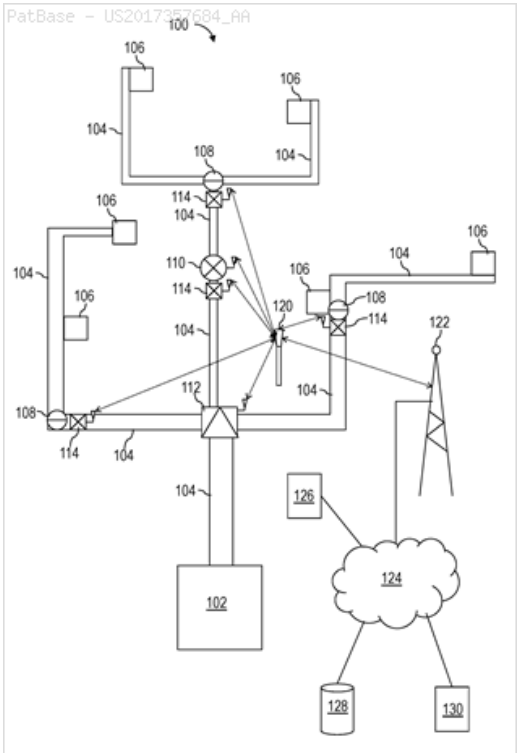
8) Family number: 67831781 (US2017357684A) © PatBase

Title:	EVENT REPORTING			
Priority:	US20160349325P 20160613 US20160361536 20161128			
Family:	Publication number	Publication date	Application number	Application date
	CA2970351 AA	20171213	CA20172970351	20170612
	US2017357684 AA	20171214	US20160361536	20161128
Probable Assignee:	PENCCO INC			
Assignee(s):(std):	HORNE ETHAN ; PENCCO INC			
Inventor(s):(std):	HORNE ETHAN			
Agent(s):	SMART AND BIGGAR; GOWLING WLG CANADA LLP			
International class (IPC 8-9):	E03F7/00 G06F17/30 G06Q10/00 (Advanced/Invention); H04L12/16 (Advanced/Non-invention)			
CPC:	G06F16/904 G06F16/9537 G06F16/2358			
US class:	1/1 707/736			

[Classification Explorer](#)

Cited documents: US2017353411 AA, US2017069033 AA, US2016335596 AA, US2016182707 AA,

Abstract:
Various methods and apparatuses relating to event reporting are described. According to an example implementation, a processing system is operable to: capture an input time and an input date of an event; capture location information of the event; capture a severity of the event; capture weather information corresponding to the location information, the input time, and the input date; capture identification information of the processing system, a user of the processing system, or a combination thereof; and transmit a report to a database. The report comprises the input time, the input date, the location information, the severity, the weather information, and the identification information.



Title: MAP MAGNIFIER
Priority: US20110156926 20110609
Family:

Publication number	Publication date	Application number	Application date
US2012316782 AA	20121213	US20110156926	20110609
US9207096 BB	20151208	US20110156926	20110609

Probable Assignee: RESEARCH IN MOTION LTD
Assignee(s):(std): BECKETT JASON CHRISTOPHER ; BLACKBERRY LTD ; RESEARCH IN MOTION LTD ; SARTIPI SIAMAK
Assignee(s): RESEARCH IN MOTION LIMITED
Inventor(s):(std): BECKETT JASON CHRISTOPHER ; SARTIPI SIAMAK
Agent(s): MOFFAT AND CO
International class (IPC 8-9): G01C21/00 G01C21/36 G09B29/10 G09G5/373 (Advanced/Invention)
CPC: G01C21/367 G09B29/106 G06K2215/0057 G06T2207/20101
US class: 1/1 345/667 701/455 701/467

[Classification Explorer](#)

Cited documents: US7904483 BB, US7555725 BB, US7437670 BB, US7158878 BB, US6898523 BB, US6430411 BA, US6321158 BA, US5638523 A, US2011304750 AA, US2010299630 AA, US2010220174 AA, US2010088631 AA, US2009198767 AA, US2009182501 AA, US2009058685 AA, US2008040684 AA, US2007078599 AA, US2006077055 AA, US2002163547 AA, US2002143826 AA, JP54196, JP5004196 A2, EP1930696 A2,

DE102008053547 A1

Forward Citations: WO17213844, WO17118754, WO16102760, WO16077156, WO16010937, WO15077387, USD877765, USD868093, USD868092, USD835147, USD830407, USD830399, US9972121, US9934222, US9836211, US9697751, US9678645, US9677904, US9620033, US9618360, US9600544, US9552129, US9514714, US9482548, US9472004, US9404767, US9280558, US9250075, US9208698, US9173069, US9158414, US9110573, US9109921, US9098929, US9052206, US9026951, US8902258, US8855427, US8832593, US8755606, US8666429, US2019014372, US2018005425, US2017316033, US2017192637, US2017075701, US2016170617, US2016155212, US2016146629, US2015302633, US2015241240, US2015234547, US2015212713, US2015177718, US2015145865, US2015095350, US2015089425, US2014310594, US2014210838, US2014189581, US2014181737, US2013300758, US2013249951, US2013249812, US2013222420, US2013167094, US2013166204, US2013159924, US2013097197, US2013024113, US2012316776, US2011225546, US2011225541, US10542311, US10540804, US10496252, US10430038, US10282916, US10140002, US10054914, US10013156, EP3037784, EP3037784, CN107004007, CN106537316, CN106030488,

Abstract:

A method of magnifying a portion of a map displayed on a computing device includes displaying the map at a first zoom level and displaying a magnified portion of the map at a second zoom level. The magnified portion comprises an interactive map element. The magnified portion acts as a localized map magnifier. The magnified portion may be round to resemble a virtual magnifying glass. In certain implementations, multiple map magnifiers may be displayed simultaneously. Map magnifiers may be displayed, for example, at waypoints along a route, at map markers corresponding to points of interest or at the locations associated with search results.

