

IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF TEXAS  
TYLER DIVISION

EVOLUTIONARY INTELLIGENCE, LLC,

Plaintiff,

v.

APPLE INC.,

Defendant.

Case No. 6:12-cv-00783-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,

Plaintiff,

v.

SPRINT NEXTEL CORPORATION;  
SPRINT COMMUNICATIONS COMPANY  
L.P.;  
SPRINT SPECTRUM, L.P.; and  
SPRINT SOLUTIONS, INC.,

Defendants.

Case No. 6:12-cv-00791-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,

Plaintiff,

v.

FACEBOOK, INC.,

Defendant.

Case No. 6:12-cv-00784-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

FOURSQUARE LABS, INC.,  
Defendant.

Case No. 6:12-cv-00785-LED

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

GROUPON, INC.,  
Defendant.

Case No. 6:12-cv-00787-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

LIVINGSOCIAL, INC.,  
Defendant.

Case No. 6:12-cv-00789-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

MILLENNIAL MEDIA, INC.,  
Defendant.

Case No. 6:12-cv-00790-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

TWITTER, INC.,  
Defendant.

Case No. 6:12-cv-00792-MHS-CMC

JURY TRIAL DEMANDED

EVOLUTIONARY INTELLIGENCE, LLC,  
Plaintiff,

v.

YELP, INC.,  
Defendant.

Case No. 6:12-cv-00794-MHS-CMC

JURY TRIAL DEMANDED

**Evolutionary Intelligence’s P.R. 3-1 Disclosure of Asserted Claims and Infringement Contentions, and P.R. 3-2 Disclosures**

Pursuant to Patent Rule 3-1, Plaintiff Evolutionary Intelligence, LLC (“Evolutionary Intelligence”) provides its Disclosure of Asserted Claims and Preliminary Infringement Contentions. Evolutionary Intelligence’s statements are based on publicly available materials regarding the accused infringing products and services of Defendants. Evolutionary Intelligence has not yet had access to any discovery of Defendants’ materials, and therefore certain information is not yet available to Evolutionary Intelligence that is relevant to its infringement claims. Evolutionary Intelligence reserves the right to supplement and/or modify its disclosures herein based on additional information obtained through formal discovery or other means concerning the Defendants’ products or services. Further, the patents’ claims have not

yet been construed, and Evolutionary Intelligence’s investigation of claim construction issues is continuing. Accordingly, Evolutionary Intelligence reserves its right to supplement and/or modify its disclosures pursuant to P.R. 3-6.

**I. Evolutionary Intelligence’s P.R. 3-1(a) Disclosures**

**A. Apple Inc. (“Apple”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Apple directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1–16; and U.S. Patent No. 7,702,682, claims 1–11 and 14–23. *See* Exhibits A and B.

**B. Facebook, Inc. (“Facebook”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Facebook directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1–16; U.S. Patent No. 7,702,682, claims 1–11 and 14–23. *See* Exhibits C and D.

**C. Twitter, Inc. (“Twitter”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Twitter directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-16; U.S. Patent No. 7,702,682, claims 1-11, 14-23. *See* Exhibits E and F.

**D. Millennial Media, Inc. (“Millennial”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Millennial directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1–16; U.S. Patent No. 7,702,682, claims 1, 3–7, 10, 11, and 14–22. *See* Exhibits G and H.

**E. Sprint Nextel Corporation, Spring Communications Company, L.P., Sprint Spectrum, L.P., and Sprint Solutions, Inc. (collectively, “Sprint”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Sprint directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-12, and 14-16; U.S. Patent No. 7,702,682, claims 1-11, and 14-23. *See* Exhibits I and J.

**F. Groupon, Inc. (“Groupon”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Groupon directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-5, 7-16; U.S. Patent No. 7,702,682, claims 1, 3-7, 10-11, and 14-23. *See* Exhibits K and L.

**G. Livingsocial, Inc. (“Livingsocial”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Livingsocial directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-4, 7-9, 11-16; U.S. Patent No. 7,702,682, claims 1, 3-7, 10-11, 14-16, 19, and 21. *See* Exhibits M and N.

**H. Foursquare Labs, Inc. (“Foursquare”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Foursquare directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-16; U.S. Patent No. 7,702,682, claims 1, 3-7, 10-11, and 14-23. *See* Exhibits O and P.

**I. Yelp, Inc. (“Yelp”)**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(a), that Yelp directly, contributorily and/or by inducement infringes the following claims: U.S. Patent No. 7,010,536, claims 1-9, 11-

16; U.S. Patent No. 7,702,682, claims 1, 3–7, 10–11, 15–16, 19, and 21. *See* Exhibits Q and R.

## **II. Evolutionary Intelligence’s P.R. 3-1(b) Disclosures**

Subject to ongoing discovery and investigation, Evolutionary Intelligence hereby contends, pursuant to P.R. 3-1(b), that the asserted patent claims are infringed by the Defendants’ Accused Instrumentalities as shown in the infringement charts attached as Exhibits A through R.

## **III. Evolutionary Intelligence’s P.R. 3-1(c) Disclosures**

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(c), that each element of each infringed claim is found within each Accused Instrumentality as shown in the infringement charts attached as Exhibits A through R.

## **IV. Evolutionary Intelligence’s P.R. 3-1(d) Disclosures**

Subject to ongoing discovery and investigation, Evolutionary Intelligence hereby contends, pursuant to P.R. 3-1(d), that each element of each asserted claim is literally present in each Accused Instrumentality as shown in Exhibits A through R.

At this time, Evolutionary Intelligence knows of no specific limitation of the asserted claims where infringement depends on the doctrine of equivalents. However, as indicated above, further discovery is required regarding literal infringement by the Defendants’ Accused Instrumentalities, and the claims of the patents-in-suit have yet to be construed. Evolutionary Intelligence expressly reserves the right to augment and supplement its position on whether there is infringement under the doctrine of equivalents of any elements of any asserted claims after discovery from the Defendants and/or after the Court has construed the asserted claims.

#### **V. Evolutionary Intelligence's P.R. 3-1(e) Disclosures**

Pursuant to P.R. 3-1(e), Evolutionary Intelligence states that the '536 patent claims priority to Provisional Application No. 60/073,209, filed on January 30, 1998, and that the '682 patent is a continuation of U.S. Application No. 09/284,113, filed on April 7, 1999, and claims priority to Provisional Application No. 60/073,209, filed on January 30, 1998 and International Application No. PCT/US99/01988, filed on January 28, 1999.

#### **VI. Evolutionary Intelligence's P.R. 3-1(f) Disclosures**

Evolutionary Intelligence hereby discloses, pursuant to P.R. 3-1(f), that Evolutionary Intelligence does not have any apparatus, product, device, process, method, act, or other instrumentality that practices the claimed invention.

Evolutionary Intelligence reserves its right to argue that the claimed invention is practiced by any apparatus, product, device, process, method, act, or other instrumentality owned by any third party.

#### **VII. Evolutionary Intelligence's P.R. 3-2 Disclosures**

In accordance with P.R. 3-2, Evolutionary Intelligence makes the following disclosures:

Pursuant to P.R. 3-2(a), Evolutionary Intelligence identifies the following documents: EV0004059-4192.

Pursuant to P.R. 3-2(b), Evolutionary Intelligence identifies the following documents that were created on or before the date of application for the patents-in-suit and that evidence the conception, reduction to practice, design, and development of the claimed inventions: EV0003913-59.

There may be other documents relevant to conception, reduction to practice, design, development, and/or disclosure of the claimed invention pursuant to P.R. 3-2

that are protected by the attorney-client privilege and/or the attorney work product doctrine. A privilege log identifying those documents will be provided to the Defendants at the appropriate time.

Pursuant to P.R. 3-2(c), the following documents are copies of the file histories for the patents-in-suit: EV0000097-645, and EV0000646-1287.

Dated: May 22, 2013

Respectfully submitted,

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**CERTIFICATE OF SERVICE**

The undersigned certifies that, on **May 22, 2013**, the foregoing document was served via email on all counsel of record who have consented to electronic service.

Dated: May 22, 2013

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## Exhibit A

### Infringement of U.S. Patent No. 7,010,536 by Apple Inc.

Subject to ongoing discovery and investigation, Evolutionary Intelligence identifies the following accused instrumentalities of Apple Inc.:

1. All Apple devices compatible with the iOS mobile operating system (collectively, the “iOS-Compatible Devices”). These devices include at least the iPhone, iPad, iPod Touch, and Apple TV. The accused instrumentalities shall also encompass the software applications designed to run on these Apple devices.

Evolutionary Intelligence’s identification of these accused instrumentalities is based on publicly available information. Evolutionary Intelligence has not yet had any discovery from Apple. Evolutionary Intelligence reserves its right to seek discovery regarding other products and services offered by Apple, and to identify additional accused instrumentalities based on that discovery and further investigation.

The discussion in the claim chart below with respect to some of the claim elements occasionally refers to and/or incorporates by reference discussion and evidence pertaining to other claim elements. Such incorporation by reference shall not be read to imply that any two claim elements have the same claim scope. Rather, such incorporation by reference is used when two or more claim elements are sufficiently similar that repeating the relevant discussion and evidence would be unnecessarily cumbersome and redundant.

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(c), that each element of each infringed claim is found within each accused instrumentality as shown below:

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
1A	1. An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>Each iOS-Compatible device is an apparatus for transmitting, receiving and manipulating information on a computer system. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>Each iOS-Compatible Device includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>Examples of containers are “Event,” “Reminder,” and “Alarm” containers:</p> <h2 style="text-align: center;">Creating and Editing Events</h2> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>Note:</b> If you're developing on iOS, you have the option of letting users modify event data with the event view controllers provided in the Event Kit UI framework. For information on how to use these event view controllers, see "Providing Interfaces for Events."</p> </div> <p>Create a new event with the <code>eventWithEventStore:</code> method of the <code>KEEvent</code> class.</p> <p>You can edit the details of a new event or an event you previously fetched from the Calendar database by setting the event's corresponding properties. Some of the details you can edit include:</p> <ul style="list-style-type: none"> <li>• The event's title with the <code>title</code> property</li> <li>• The event's start and end dates with the <code>startDate</code> and <code>endDate</code> properties</li> <li>• The calendar with which the event is associated with the <code>calendar</code> property</li> <li>• The alarms associated with the event with the <code>alarms</code> property (see "Configuring Alarms" for more details)</li> <li>• The event's recurrence rule, if it is a repeating event, with the <code>recurrenceRules</code> property (see "Creating Recurring Events" for more details)</li> </ul>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
<p>(EV0001412.)</p> <h2 style="text-align: center;">Creating and Editing Reminders</h2> <p>You can create reminders using the <code>reminderWithEventStore:</code> class method. The <code>title</code> and <code>calendar</code> properties are required. The calendar for a reminder is the list with which it is grouped.</p> <p>Like events, reminders can trigger time-based or location-based alarms to alert the user of a certain task. Read "Configuring Alarms" for more information on how to attach alarms to calendar items.</p> <p>To associate a start date or due date with a reminder, use the <code>startDateComponents</code> and <code>dueDateComponents</code> properties. To complete a reminder, set the <code>completed</code> property to <code>YES</code>, which automatically sets <code>completionDate</code> to the current date.</p> <p>(EV0001416.)</p> <p><b>alarmWithAbsoluteDate:</b></p> <p>Creates and returns an alarm with an absolute date.</p> <pre>+ (EKAlarm *)alarmWithAbsoluteDate:(NSDate *) date</pre> <p><b>Parameters</b></p> <p><i>date</i> The date for the alarm.</p> <p><b>Return Value</b> The created alarm.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKAlarm.h</p> <p>(EV0001420.)</p> <p>Additional examples of containers are location containers such as the "CLLocation," "CLLocationCoordinate2D," "CLLocationManager," "CLPlacemark," and "CLRegion" containers:</p>		

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Overview</b></p> <p>A CLLocation object represents the location data generated by a CLLocationManager object. This object incorporates the geographical coordinates and altitude of the device's location along with values indicating the accuracy of the measurements and when those measurements were made. In iOS, this class also reports information about the speed and heading in which the device is moving.</p> <p>Typically, you use a CLLocationManager object to create instances of this class based on the last known location of the user's device. You can create instances yourself, however, if you want to cache custom location data or get the distance between two points.</p> <p>(EV0001512.)</p> <p><b>CLLocationCoordinate2D</b></p> <p><i>A structure that contains a geographical coordinate using the WGS 84 reference frame.</i></p> <pre>typedef struct {     CLLocationDegrees latitude;     CLLocationDegrees longitude; } CLLocationCoordinate2D;</pre> <p>(EV0001527.)</p> <p><b>Overview</b></p> <p>The CLLocationManager class defines the interface for configuring the delivery of location- and heading-related events to your application. You use an instance of this class to establish the parameters that determine when location and heading events should be delivered and to start and stop the actual delivery of those events. You can also use a location manager object to retrieve the most recent location and heading data.</p> <p>A location manager object provides support for the following location-related activities:</p> <ul style="list-style-type: none"> <li>• Tracking large or small changes in the user's current location with a configurable degree of accuracy.</li> <li>• Reporting heading changes from the onboard compass. (iOS only)</li> <li>• Monitoring distinct regions of interest and generating location events when the user enters or leaves those regions.</li> <li>• Deferring the delivery of location updates while the app is in the background. (iOS 6 and later only)</li> </ul>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>(EV0001625.)</p> <p><b>Overview</b></p> <p>A <code>CLLocationMark</code> object stores placemark data for a given latitude and longitude. Placemark data includes information such as the country, state, city, and street address associated with the specified coordinate. It can also include points of interest and geographically related data. Placemark objects are typically generated by a <code>CLLocationCoder</code> object, although you can also create them explicitly yourself.</p> <p>(EV0001661.)</p> <p><b>Overview</b></p> <p>The <code>CLLocation</code> class defines a geographical area that can be tracked. When an instance of this class is registered with a <code>CLLocationManager</code> object, the location manager generates an appropriate event whenever the user crosses the boundaries of the defined area.</p> <p>To use this class, create an instance of it and use the <code>startMonitoringForRegion:desiredAccuracy:</code> method of a <code>CLLocationManager</code> object to begin monitoring it.</p> <p>(EV0001686.)</p> <p>Publicly available information indicates that containers are used throughout the iOS operating system of the iOS-Compatible Devices. The containers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises an information element having information.</p>
1C	an information	

Element	U.S. Patent No. 7,010,536 element having information;	iOS-Compatible Devices
		<p>For example, information elements with information regarding events are associated with at least the following properties of “Event” containers:</p> <p><b>Properties</b></p> <p><b>allDay</b> A Boolean value that indicates whether the event is an all-day event. @property(nonatomic, getter=isAllDay) BOOL allDay</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>availability</b> The availability setting for the event. @property(nonatomic) EKEventAvailability availability</p> <p><b>Discussion</b> This setting is used by CalDAV and Exchange servers to indicate how the event should be treated for scheduling purposes. If the event’s calendar does not support availability settings, this property’s value is <a href="#">EKEventAvailabilityNotSupported</a>.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>See Also</b>  <a href="#">EKEventAvailability</a>  <b>Declared In</b>  <a href="#">EKEvent.h</a></p> <p><b>birthdayPersonID</b>  The Address Book framework record identifier of the person for this birthday event. (read-only)</p> <p><code>@property(nonatomic, readonly) NSInteger birthdayPersonID</code></p> <p><b>Discussion</b>  This property is only set if this is a birthday event; otherwise the property is nil.</p> <p><b>Special Considerations</b></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>Note:</b> This property is equivalent to the <code>birthdayPersonUniqueId</code> property on OS X.</p> </div> <p><b>Availability</b>  Available in iOS 5.0 and later.</p> <p><b>Declared In</b>  <a href="#">EKEvent.h</a></p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>endDate</b></p> <p>The end date for the event.</p> <p>@property(nonatomic, copy) NSDate *endDate</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>eventIdentifier</b></p> <p>A unique identifier for the event. (read-only)</p> <p>@property(nonatomic, readonly) NSString *eventIdentifier</p> <p><b>Discussion</b></p> <p>You can use this identifier to look up an event with the EKEventStore method <code>eventWithIdentifier:</code>.</p> <p>If the calendar of an event changes, its identifier most likely changes as well.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>isDetached</b></p> <p>A Boolean value that indicates whether an event is a detached instance of a repeating event. (read-only)</p> <p>@property(nonatomic, readonly) BOOL isDetached</p> <p><b>Discussion</b> This value is YES if and only if the event is part of a repeating event and one or more of its attributes have been modified from the repeating event's default attributes.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>organizer</b></p> <p>The organizer associated with the event. (read-only)</p> <p>@property(nonatomic, readonly) EKParticipant *organizer</p> <p><b>Discussion</b> This property is nil if the event has no organizer.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDate</b></p> <p>The start date of the event.</p> <p>@property(n nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b></p> <p>Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p><b>status</b></p> <p>The status of the event. (read-only)</p> <p>@property(n nonatomic, readonly) EKEventStatus status</p> <p><b>Discussion</b></p> <p>You should act based on an event's status only if the status is EKEventStatusCanceled, which indicates that the event has been canceled. Other statuses should be considered informational.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>See Also</b></p> <p>EKEventStatus</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <hr/> <p>(EV0001424-26.)</p> <p>In another example, information elements with information regarding reminders are associated with at least the following properties of “Reminder” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>completed</b></p> <p>A Boolean value determining whether or not the reminder is marked completed.</p> <p>@property(nonatomic, getter=isCompleted) BOOL completed</p> <p><b>Discussion</b> Setting this property to YES will set completionDate to the current date; setting this property to NO will set completionDate to nil.</p> <p><b>Special Considerations</b> If the reminder was completed using a different client, you may encounter the case where this property is YES, but completionDate is nil.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKReminder.h</p> <p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b> Setting this property to a date will set completed to YES; setting this property to nil will set completed to NO.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Declared In</b> EKReminder.h</p> <p><b>dueDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(nonatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to NSGregorianCalendar; otherwise an exception is raised.</p> <p>This component's timeZone property is independent of time zone properties on startDateComponents and its super EKCalendarItem object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKReminder.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p>@property(n nonatomic, copy) NSDateComponents *startDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components's <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKReminder.h</p> <p>(EV0001431-33.)</p> <p>In another example, information elements with information regarding alarms are associated with at least the following properties of “Alarm” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Properties</b></p> <p><b>absoluteDate</b> The absolute date for the alarm. @property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b> If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKAlarm.h</p> <p><b>proximity</b> A value indicating how a location-based alarm is triggered. @property EKAlarmProximity *proximity</p> <p><b>Discussion</b> Alarms can be set to trigger when entering or exiting a location specified by <code>structuredLocation</code>. By default, alarms are not affected by location.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>See Also</b>  <a href="#">EKAlarmProximity</a>  <b>Declared In</b>  EKAlarm.h</p> <p><b>relativeOffset</b>  The offset from the start of an event, at which the alarm fires.  @property NSTimeInterval relativeOffset</p> <p><b>Discussion</b>  If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b>  Available in iOS 4.0 and later.  <b>Declared In</b>  EKAlarm.h</p> <p><b>structuredLocation</b>  The location to trigger an alarm.  @property EKStructuredLocation *structuredLocation</p> <p><b>Discussion</b>  This property is used in conjunction with <a href="#">proximity</a> to perform geofence-based triggering of reminders.  <b>Availability</b>  Available in iOS 6.0 and later.  <b>Declared In</b>  EKAlarm.h  (EV0001418-20.)</p> <p>In another example, information elements with information regarding location are associated with at least the following properties of the “CLLocation” containers:</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><i>coordinate</i> (page 5) <i>property</i> The geographical coordinate information. (read-only)</p> <p><i>altitude</i> (page 5) <i>property</i> The altitude measured in meters. (read-only)</p> <p><i>horizontalAccuracy</i> (page 6) <i>property</i> The radius of uncertainty for the location, measured in meters. (read-only)</p> <p><i>verticalAccuracy</i> (page 8) <i>property</i> The accuracy of the altitude value in meters. (read-only)</p> <p><i>timestamp</i> (page 7) <i>property</i> The time at which this location was determined. (read-only)</p> <p>– <i>description</i> (page 9) Returns the location data in a formatted text string.</p> <p>(EV0001513.)</p> <p>In another example, information elements with information regarding location are associated with at least the following properties of the “CLLocationManager” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>activityType</b></p> <p><i>The type of user activity associated with the location updates.</i></p> <p>@property(assign, nonatomic) CLLocationType activityType</p> <p><b>Discussion</b></p> <p>The location manager uses the information in this property as a cue to determine when location updates may be automatically paused. Pausing updates gives the system the opportunity to save power in situations where the user's location is not likely to be changing. For example, if the activity type is <code>CLLocationTypeAutomotiveNavigation</code> (page 29) and no location changes have occurred recently, the radios might be powered down until movement is detected again.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p> <p><b>delegate</b></p> <p><i>The delegate object to receive update events.</i></p> <p>@property(assign, nonatomic) id&lt;CLLocationManagerDelegate&gt; delegate</p> <p><b>Special Considerations</b></p> <p>In iOS, this property is declared as <code>nonatomic</code>. In OS X, it is declared as <code>atomic</code>.</p> <p><b>Availability</b></p> <p>Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b></p> <p>LocateMe Regions Teslameter</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>desiredAccuracy</b></p> <p><i>The accuracy of the location data.</i></p> <p>@property(assign, nonatomic) CLLocationAccuracy desiredAccuracy</p> <p><b>Discussion</b></p> <p>The receiver does its best to achieve the requested accuracy; however, the actual accuracy is not guaranteed.</p> <p>You should assign a value to this property that is appropriate for your usage scenario. In other words, if you need the current location only within a few kilometers, you should not specify <code>kCLLocationAccuracyBest</code> for the accuracy. Determining a location with greater accuracy requires more time and more power.</p> <p>When requesting high-accuracy location data, the initial event delivered by the location service may not have the accuracy you requested. The location service delivers the initial event as quickly as possible. It then continues to determine the location with the accuracy you requested and delivers additional events, as necessary, when that data is available.</p> <p>The default value of this property is <code>kCLLocationAccuracyBest</code>.</p> <p>This property is used only in conjunction with the standard location services and is not used when monitoring significant location changes.</p> <p><b>Special Considerations</b></p> <p>In iOS, this property is declared as <code>nonatomic</code>. In OS X, it is declared as <code>atomic</code>.</p> <p><b>Availability</b></p> <p>Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b></p> <p>LocateMe Regions</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p> <p><b>distanceFilter</b></p> <p><i>The minimum distance (measured in meters) a device must move horizontally before an update event is generated.</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>@property(assign, nonatomic) CLLocationDistance distanceFilter</p> <p><b>Discussion</b> This distance is measured relative to the previously delivered location. Use the value kCLLocationDistanceFilterNone to be notified of all movements. The default value of this property is kCLLocationDistanceFilterNone.</p> <p>This property is used only in conjunction with the standard location services and is not used when monitoring significant location changes.</p> <p><b>Special Considerations</b> In iOS, this property is declared as nonatomic. In OS X, it is declared as atomic.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b> LocateMeRegions</p> <p><b>Declared in</b> CLLocationManager.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>heading</b></p> <hr/> <p><i>The most recently reported heading. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDegrees heading</p> <p><b>Discussion</b></p> <p>The value of this property is nil if heading updates have never been initiated.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p> <p><b>headingFilter</b></p> <hr/> <p><i>The minimum angular change (measured in degrees) required to generate new heading events.</i></p> <p>@property(assign, nonatomic) CLLocationDegrees headingFilter</p> <p><b>Discussion</b></p> <p>The angular distance is measured relative to the last delivered heading event. Use the value kCLLocationFilterNone to be notified of all movements. The default value of this property is 1 degree.</p> <p><b>Availability</b></p> <p>Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b></p> <p>Teslameter</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>headingOrientation</b></p> <p><i>The device orientation to use when computing heading values.</i></p> <p>@property(assign, nonatomic) CLLocationOrientation headingOrientation</p> <p><b>Discussion</b></p> <p>When computing heading values, the location manager assumes that the top of the device in portrait mode represents due north (0 degrees) by default. For applications that run in other orientations, this may not always be the most convenient orientation. This property allows you to specify which device orientation you want the location manager to use as the reference point for due north.</p> <p>Although you can set the value of this property to <code>CLLocationOrientationUnknown</code>, <code>CLLocationOrientationFaceUp</code>, or <code>CLLocationOrientationFaceDown</code>, doing so has no effect on the orientation reference point. The original reference point is retained instead.</p> <p>Changing the value in this property affects only those heading values reported after the change is made.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p> <p><b>location</b></p> <p><i>The most recently retrieved user location. (read-only)</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>@property(readonly, nonatomic) CLLocation *location</p> <p><b>Discussion</b> The value of this property is <code>nil</code> if no location data has ever been retrieved.</p> <p>In iOS 4.0 and later, this property may contain a more recent location object at launch time. Specifically, if significant location updates are running and your application is terminated, this property is updated with the most recent location data when your application is relaunched (and you create a new location manager object). This location data may be more recent than the last location event processed by your application.</p> <p>It is always a good idea to check the timestamp of the location stored in this property. If the receiver is currently gathering location data, but the minimum distance filter is large, the returned location might be relatively old. If it is, you can stop the receiver and start it again to force an update.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>See Also</b> – <a href="#">startUpdatingLocation</a> (page 25)</p> <p><b>Related Sample Code</b> AVMovieExporter Locations PhotoLocations TaggedLocations</p> <p><b>Declared in</b> CLLocationManager.h</p> <p><b>maximumRegionMonitoringDistance</b></p> <hr/> <p><i>The largest boundary distance that can be assigned to a region. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDistance maximumRegionMonitoringDistance</p> <p><b>Discussion</b> This property defines the largest boundary distance allowed from a region's center point. Attempting to monitor a region with a distance larger than this value causes the location manager to send a <code>kCLLocationMonitoringFailure</code> error to the delegate.</p> <p>If region monitoring is unavailable or not supported, the value in this property is <code>-1</code>.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Declared in</b> CLLocationManager.h</p> <p><b>monitoredRegions</b></p> <p><i>The set of shared regions monitored by all location manager objects. (read-only)</i></p> <p>@property(readonly, nonatomic) NSSet *monitoredRegions</p> <p><b>Discussion</b> You cannot add regions to this property directly. Instead, you must register regions by calling the <code>startMonitoringForRegion:desiredAccuracy:</code> (page 34) method. The regions in this property are shared by all instances of the <code>CLLocationManager</code> class in your application.</p> <p>The objects in this set may not necessarily be the same objects you specified at registration time. Only the region data itself is maintained by the system. Therefore, the only way to uniquely identify a registered region is using its <code>identifier</code> property.</p> <p>The location manager persists region data between launches of your application. If your application is terminated and then relaunched, the contents of this property are repopulated with region objects that contain the previously registered data.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared in</b> CLLocationManager.h</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>pausesLocationUpdatesAutomatically</b></p> <p>A Boolean value indicating whether the location manager object may pause location updates.</p> <p>@property(assign, nonatomic) BOOL pausesLocationUpdatesAutomatically</p> <p><b>Discussion</b></p> <p>Allowing the location manager to pause updates can improve battery life on the target device without sacrificing location data. When this property is set to YES, the location manager pauses updates (and powers down the appropriate hardware) at times when the location data is unlikely to change. For example, if the user stops for food while using a navigation app, the location manager might pause updates for a period of time. You can help the determination of when to pause location updates by assigning a value to the <code>activityType</code> property.</p> <p>The default value of this property is YES.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>See Also</b></p> <p><a href="#">@property activityType</a> (page 11)</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p> <p>(EV0001632-38.)</p> <p>In another example, information elements with information regarding location are associated with at least the following properties of the “CLPlacemark” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><i>name</i> (page 8) <i>property</i> The name of the placemark. (read-only)</p> <p><i>addressDictionary</i> (page 5) <i>property</i> A dictionary containing the Address Book keys and values for the placemark. (read-only)</p> <p><i>ISOcountryCode</i> (page 7) <i>property</i> The abbreviated country name. (read-only)</p> <p><i>country</i> (page 6) <i>property</i> The name of the country associated with the placemark. (read-only)</p> <p><i>postalCode</i> (page 9) <i>property</i> The postal code associated with the placemark. (read-only)</p> <p><i>administrativeArea</i> (page 6) <i>property</i> The state or province associated with the placemark. (read-only)</p> <p><i>subAdministrativeArea</i> (page 10) <i>property</i> Additional administrative area information for the placemark. (read-only)</p> <p><i>locality</i> (page 7) <i>property</i> The city associated with the placemark. (read-only)</p> <p><i>subLocality</i> (page 10) <i>property</i> Additional city-level information for the placemark. (read-only)</p> <p><i>thoroughfare</i> (page 11) <i>property</i> The street address associated with the placemark. (read-only)</p> <p><i>subThoroughfare</i> (page 10) <i>property</i> Additional street-level information for the placemark. (read-only)</p> <p><i>region</i> (page 9) <i>property</i> The geographic region associated with the placemark. (read-only)</p> <p><i>inlandWater</i> (page 7) <i>property</i> The name of the inland water body associated with the placemark. (read-only)</p> <p><i>ocean</i> (page 9) <i>property</i> The name of the ocean associated with the placemark. (read-only)</p> <p><i>areasOfInterest</i> (page 6) <i>property</i> The relevant areas of interest associated with the placemark. (read-only)</p> <p>(EV0001662-63.)</p> <p>In another example, information elements with information regarding location are associated with at least the following properties of the “CLRegion” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>center</b></p> <p><i>The center point of the region. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationCoordinate2D center</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p>Related Sample Code Regions</p> <p><b>Declared in</b></p> <p>CLRegion.h</p> <p><b>identifier</b></p> <p><i>The identifier for the region object. (read-only)</i></p> <p>@property(readonly, nonatomic) NSString *identifier</p> <p><b>Discussion</b></p> <p>This is a value that you specify and can use to identify this region inside your application.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared in</b> CLRegion.h</p> <p><b>radius</b></p> <p><i>The radius (measured in meters) that defines the region's outer boundary. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDistance radius</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Related Sample Code</b> Regions</p> <p><b>Declared in</b> CLRegion.h</p> <p>(EV0001688.)</p> <p>In another example, information elements with information regarding location are associated with at least the following properties of the “CLHeading” containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>headingAccuracy</b></p> <p><i>The maximum deviation (measured in degrees) between the reported heading and the true geomagnetic heading. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDirection headingAccuracy</p> <p><b>Discussion</b></p> <p>A positive value in this property represents the potential error between the value reported by the <code>magneticHeading</code> (page 5) property and the actual direction of magnetic north. Thus, the lower the value of this property, the more accurate the heading. A negative value means that the reported heading is invalid, which can occur when the device is uncalibrated or there is strong interference from local magnetic fields.</p> <p><b>Availability</b></p> <p>Available in iOS 3.0 and later.</p> <p><b>Declared in</b></p> <p>CLHeading.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>magneticHeading</b></p> <p><i>The heading (measured in degrees) relative to magnetic north. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDirection magneticHeading</p> <p><b>Discussion</b></p> <p>The value in this property represents the heading relative to the magnetic North Pole, which is different from the geographic North Pole. The value 0 means the device is pointed toward magnetic north, 90 means it is pointed east, 180 means it is pointed south, and so on. The value in this property should always be valid.</p> <p>In iOS 3.x and earlier, the value in this property is always measured relative to the top of the device in a portrait orientation, regardless of the device's actual physical or interface orientation. In iOS 4.0 and later, the value is measured relative to the heading orientation specified by the location manager. For more information, see the <code>headingOrientation</code> property in <i>CLLocationManager Class Reference</i>.</p> <p>If the <code>headingAccuracy</code> property contains a negative value, the value in this property should be considered unreliable.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>See Also</b>  <a href="#">@property headingAccuracy</a> (page 5)  <a href="#">@property trueHeading</a> (page 6)</p> <p><b>Declared in</b>  CLHeading.h</p> <p><b>timestamp</b>  <hr/> <i>The time at which this heading was determined. (read-only)</i>  @property(readonly, nonatomic) NSDate *timestamp</p> <p><b>Availability</b>  Available in iOS 3.0 and later.</p> <p><b>Declared in</b>  CLHeading.h</p> <p><b>trueHeading</b>  <hr/> <i>The heading (measured in degrees) relative to true north. (read-only)</i>  @property(readonly, nonatomic) CLLocationDirection trueHeading</p> <p><b>Discussion</b>  The value in this property represents the heading relative to the geographic North Pole. The value 0 means the device is pointed toward true north, 90 means it is pointed due east, 180 means it is pointed due south, and so on. A negative value indicates that the heading could not be determined.</p> <p>In iOS 3.x and earlier, the value in this property is always measured relative to the top of the device in a portrait orientation, regardless of the device's actual physical or interface orientation. In iOS 4.0 and later, the value is measured relative to the heading orientation specified by the location manager. For more information, see the <a href="#">headingOrientation</a> property in <i>CLLocationManager Class Reference</i>.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Important:</b> This property contains a valid value only if location updates are also enabled for the corresponding location manager object. Because the position of true north is different from the position of magnetic north on the Earth's surface, Core Location needs the current location of the device to compute the value of this property.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>See Also</b> <a href="#">@property magneticHeading</a> (page 5)</p> <p><b>Declared in</b> CLHeading.h <b>x</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the x-axis. (read-only)</i> @property(readonly, nonatomic) CLHeadingComponentValue x</p> <p><b>Discussion</b> This value represents the x-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h <b>y</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the y-axis. (read-only)</i> @property(readonly, nonatomic) CLHeadingComponentValue y</p> <p><b>Discussion</b> This value represents the y-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h</p> <p><b>z</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the z-axis. (read-only)</i></p> <p>@property(readonly, nonatomic) CLHeadingComponentValue z</p> <p><b>Discussion</b> This value represents the z-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h</p> <p>Publicly available information indicates that information elements are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
1D	a plurality of registers, the plurality of registers forming part of the container and including	<p>instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>Exemplar registers of the “Event” containers include at least “allDay”, “availability”, “birthdayPersonID”, “endDate”, “eventIdentifier”, “isDetached”, “organizer”, “startDate”, and “status”.</p> <p>Exemplar registers of the “Reminder” containers include at least “completed”, “completionDate”, “dueDateComponent”, and “startDateComponents”.</p> <p>Exemplar registers of the “Alarm” containers include at least “absoluteDate”, “proximity”, “relativeOffset”, and “structuredLocation”.</p> <p>Exemplar registers of the “CLLocation” containers include at least “altitude”, “coordinate”, “course”, “horizontalAccuracy”, “speed”, and “verticalAccuracy”.</p> <p>Exemplar registers of the “CLLocationManager” containers include at least “activityType”, “delegate”, “desiredAccuracy”, “distanceFilter”, “heading”, “headingFilter”, “headingOrientation”, “location”, “maximumRegionMonitoringDistance”, “monitoredRegions”, and “pausesLocationUpdatesAutomatically”.</p> <p>Exemplar registers of the “CLPlacemark” containers include at least “name”, “addressDictionary”, “ISOcountryCode”, “country”, “postalCode”, “administrativeArea”, “subAdministrativeArea”, “locality”, “subLocality”, “thoroughfare”, “subThoroughfare”, “region”, “inlandWater”, “ocean”, and “areasOfInterest”.</p> <p>Exemplar registers of the “CLRegion” containers include “center”, “identifier”, and “radius”.</p> <p>Exemplar registers of the “CLHeading” containers include “headingAccuracy”, “magneticHeading”, trueHeading”, “y”, and “z”.</p> <p>(See claim element 1C for a more detailed discussion regarding the above registers.)</p> <p>Publicly available information indicates that registers are used throughout the iOS operating system of</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>the iOS-Compatible Devices. The registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p>
1E	a first register for storing a unique container identification value,	<p>On information and belief, all containers in each iOS device have first registers for storing a unique container identification value:</p> <p><b>Managed Object IDs and URIs</b></p> <p>An NSManagedObjectID object is a universal identifier for a managed object, and provides basis for uniqueness in the Core Data Framework. A managed object ID uniquely identifies the same managed object both between managed object contexts in a single application, and in multiple applications (as in distributed systems). Like the primary key in the database, an identifier contains the information needed to exactly describe an object in a persistent store, although the detailed information is not exposed. The framework completely encapsulates the "external" information and presents a clean object oriented interface.</p> <pre>NSManagedObjectID *moID = [managedObject objectID];</pre> <p>There are two forms of an object ID. When a managed object is first created, Core Data assigns it a temporary ID; only if it is saved to a persistent store does Core Data assign a managed object a permanent ID.</p> <p>(EV0001881.)</p> <p>For example, the "eventIdentifier" registers store the unique container identification value of each of the "Event" containers:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>eventIdentifier</b></p> <p>A unique identifier for the event. (read-only)</p> <p>@property (nonatomic, readonly) NSString *eventIdentifier</p> <p><b>Discussion</b></p> <p>You can use this identifier to look up an event with the EKEventStore method <code>eventIdentifier:</code>.</p> <p>If the calendar of an event changes, its identifier most likely changes as well.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>(EV0001425.)</p> <p>In another example, “Reminder” containers also have unique identifiers:</p> <p><b>Using Unique Identifiers</b></p> <p>If you know a specific reminder’s unique identifier from previously fetching it with a predicate, you can call the <code>calendarItemWithIdentifier:</code> instance method. <code>calendarItemWithIdentifier:</code> can fetch any calendar item (reminders and events), whereas <code>eventWithIdentifier:</code> fetches only events.</p> <p>(EV0001416.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>calendarItemWithIdentifier:</b></p> <p>Returns either the event's first occurrence or the reminder with the specified identifier.</p> <p>- (<i>EKCalendarItem *</i>)calendarItemWithIdentifier:(<i>NSString *</i>)identifier</p> <p><b>Parameters</b> <i>identifier</i> The calendar item's unique identifier.</p> <p><b>Return Value</b> The reminder or the first occurrence of an event with the specified identifier.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <i>EKEventStore.h</i></p> <p>(EV0001463.)</p> <p><b>calendarItemsWithExternalIdentifier:</b></p> <p>Returns either the event's first occurrences or the reminders with the specified external identifier.</p> <p>- (<i>NSArray *</i>)calendarItemsWithExternalIdentifier:(<i>NSString *</i>)externalIdentifier</p> <p><b>Parameters</b> <i>externalIdentifier</i> The calendar item's external identifier.</p> <p><b>Return Value</b> An array of calendar items with the specified identifier.</p> <p><b>Discussion</b> The external identifier can be obtained from the <code>calendarItemExternalIdentifier</code> property. There may be more than one matching calendar item due to reasons discussed in <code>calendarItemExternalIdentifier</code>.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <i>EKEventStore.h</i></p> <p>(EV0001463.)</p> <p>In addition, on information and belief, "Alarm" containers also have registers with unique identifiers.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>In another example, unique identifiers are associated with “Region” containers:</p> <p><b>Defining a Region to Be Monitored</b></p> <p>To begin monitoring a region, you must define the region and register it with the system. You define regions using the <code>CLLocationRegion</code> class, which currently supports only the creation of circular regions. Each region you create must include both the data that defines the desired geographic area and a unique identifier string. (The identifier string is required and is the only guaranteed way for your app to identify regions later.) To register a region, you call the <code>startMonitoringForRegion:desiredAccuracy:</code> method of your <code>CLLocationManager</code> object.</p> <p>Listing 1-4 shows a sample method that creates a new region based on a circular overlay region. The overlay’s center point and radius form the boundary for the region, although if the radius is too large to be monitored, it is reduced automatically. You do not need to save strong references to the regions you create but might want to store the region’s identifier if you plan to access the region information later.</p> <p>(EV0001549.)</p> <p><b>identifier</b></p> <p><i>The identifier for the region object. (read-only)</i></p> <pre>@property(readonly, nonatomic) NSString *identifier</pre> <p><b>Discussion</b></p> <p>This is a value that you specify and can use to identify this region inside your application.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared in</b></p> <p><code>CLLocationRegion.h</code></p> <p>(EV0001687-88.)</p> <p>Publicly available information indicates that first registers are used throughout the iOS operating system of the iOS-Compatible Devices. The first registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>For example, the “allDay”, “endDate”, and “startDate” registers of the “Event” containers designate time:</p> <p><b>allDay</b> A Boolean value that indicates whether the event is an all-day event. @property(n nonatomic, getter=isAllDay) BOOL allDay</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h ....</p> <p><b>endDate</b> The end date for the event. @property(n nonatomic, copy) NSDate *endDate</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h ....</p>
1F	<p>a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time,</p>	

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDate</b></p> <p>The start date of the event.</p> <p>@property(nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b></p> <p>Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>(EV0001425-26.)</p> <p>In another example, the “completionDate”, “dueDateComponents”, and “startDateComponents” registers of the “Reminders” containers designate time:</p> <p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b></p> <p>Setting this property to a date will set completed to YES; setting this property to nil will set completed to NO.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p> <p>EKReminder.h</p> <p>...</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>NSDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(nonatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to NSGregorianCalendar; otherwise an exception is raised.</p> <p>This component's timeZone property is independent of time zone properties on startDateComponents and its super EKCalendarItem object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><code>EKReminder.h</code></p> <p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p><code>@property(nonatomic, copy) NSDateComponents *startDateComponents</code></p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A <code>nil</code> time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components's <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKReminder.h</code></p> <p>(EV0001432-33.)</p> <p>In another example, the “absoluteDate” and “relativeOffset” registers of the “Alarms” containers designate time:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>absoluteDate</b></p> <p>The absolute date for the alarm.</p> <p>@property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b></p> <p>If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>...</p> <p><b>relativeOffset</b></p> <p>The offset from the start of an event, at which the alarm fires.</p> <p>@property NSTimeInterval relativeOffset</p> <p><b>Discussion</b></p> <p>If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>(EV0001419.)</p> <p>Further, the second register governs interactions of the container with other containers, systems or processes according to utility of the time information relative to real-world time. In particular, the time information described above is used to govern many, if not most, aspects of the iOS Events, Reminders, and Alarms features (including, for example, reading and writing calendar events, reading and writing reminders, configuring alarms, creating recurring events, observing external changes to the calendar database, and providing interfaces for events). These and other aspects are discussed in more detail at EV0001435-59. Further, timestamps associated with location containers are used, for example, to determine whether the last measured location is outdated and whether a new measurement should be taken.</p> <p>Publicly available information indicates that second registers are used throughout the iOS operating</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>system of the iOS-Compatible Devices. The second registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1G	<p>an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways.</p> <p>For example, the “allDay”, “endDate”, and/or “startDate” registers of the “Event” containers identify times at which the “Event” containers will act upon other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functionality:</p> <p><b>allDay</b></p> <p>A Boolean value that indicates whether the event is an all-day event.</p> <pre>@property(nonatomic, getter=isAllDay) BOOL allDay</pre> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h ....</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>endDate</b> The end date for the event. @property(n nonatomic, copy) NSDate *endDate</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p>...</p> <p><b>startDate</b> The start date of the event. @property(n nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b> Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p>(EV0001425-26.)</p> <p>In another example, the “completionDate”, “dueDateComponents”, and/or “startDateComponents” registers of the “Reminder”’s containers identify times at which the “Reminders” containers will act upon other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(n nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b></p> <p>Setting this property to a date will set <code>completed</code> to YES; setting this property to <code>nil</code> will set <code>completed</code> to NO.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p> <p><code>EKReminder.h</code></p> <p>...</p> <p><b>dueDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(n nonatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A <code>nil</code> time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>This component's <code>timeZone</code> property is independent of time zone properties on <code>startDateComponents</code> and its super <code>EKCalendarItem</code> object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><code>EKReminder.h</code></p> <p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p><code>@property(nonatomic, copy) NSDateComponents *startDateComponents</code></p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A <code>nil</code> time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components's <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKReminder.h</code></p> <p>(EV0001432-33.)</p> <p>In another example, the “absoluteDate” and/or “relativeOffset” registers of the “Alarms” containers identify times at which the “Alarms” containers will act upon other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>absoluteDate</b></p> <p>The absolute date for the alarm.</p> <p>@property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b></p> <p>If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>...</p> <p><b>relativeOffset</b></p> <p>The offset from the start of an event, at which the alarm fires.</p> <p>@property NSTimeInterval relativeOffset</p> <p><b>Discussion</b></p> <p>If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>(EV0001419.)</p> <p>Publicly available information indicates that active time registers are used throughout the iOS operating system of the iOS-Compatible Devices. The active time registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the active time registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
1H	<p>a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways, and</p>	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways.</p> <p>For example, the “allDay”, “endDate”, and/or “startDate” registers of the “Event” containers identify times at which the “Event” containers can be acted upon by other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functionality:</p> <p><b>allDay</b></p> <p>A Boolean value that indicates whether the event is an all-day event.</p> <pre>@property(n nonatomic, getter=isAllDay) BOOL allDay</pre> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>...</p> <p><b>endDate</b></p> <p>The end date for the event.</p> <pre>@property(n nonatomic, copy) NSDate *endDate</pre> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>...</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDate</b></p> <p>The start date of the event.</p> <p>@property(nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b></p> <p>Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>(EV0001425-26.)</p> <p>In another example, the “completionDate”, “dueDateComponents”, and/or “startDateComponents” registers of the “Reminders” containers identify times at which the “Reminders” containers can be acted upon by other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p> <p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b></p> <p>Setting this property to a date will set <code>completed</code> to YES; setting this property to nil will set <code>completed</code> to NO.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p> <p>EKReminder.h</p> <p>....</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>dueDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(nonatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to NSGregorianCalendar; otherwise an exception is raised.</p> <p>This component's timeZone property is independent of time zone properties on startDateComponents and its super EKCalendarItem object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><code>EKReminder.h</code></p> <p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p><code>@property (nonatomic, copy) NSDateComponents *startDateComponents</code></p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A <code>nil</code> time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components's <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKReminder.h</code></p> <p>(EV0001432-33.)</p> <p>In another example, the “absoluteDate” and/or “relativeOffset” registers of the “Alarms” containers identify times at which the “Alarms” containers can be acted upon by other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>absoluteDate</b></p> <p>The absolute date for the alarm.</p> <p>@property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b></p> <p>If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>...</p> <p><b>relativeOffset</b></p> <p>The offset from the start of an event, at which the alarm fires.</p> <p>@property NSTimeInterval relativeOffset</p> <p><b>Discussion</b></p> <p>If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>(EV0001419.)</p> <p>Publicly available information indicates that passive time registers are used throughout the iOS operating system of the iOS-Compatible Devices. The passive time registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the passive time registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
11	<p>a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways; and</p>	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways.</p> <p>For example, the “allDay”, “endDate”, and/or “startDate” registers of the “Event” containers identify times at which the “Event” containers may interact with other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functionality:</p>
		<p><b>allDay</b></p> <p>A Boolean value that indicates whether the event is an all-day event.</p> <pre>@property(n nonatomic, getter=isAllDay) BOOL allDay</pre> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEEvent.h</p> <p>...</p> <p><b>endDate</b></p> <p>The end date for the event.</p> <pre>@property(n nonatomic, copy) NSDate *endDate</pre> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEEvent.h</p> <p>...</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDate</b></p> <p>The start date of the event.</p> <p>@property(n nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b></p> <p>Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p>(EV0001425-26.)</p> <p>In another example, the “completionDate”, “dueDateComponents”, and/or “startDateComponents” registers of the “Reminders” containers identify times at which the “Reminders” containers may interact with other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p> <p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(n nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b></p> <p>Setting this property to a date will set <code>completed</code> to YES; setting this property to nil will set <code>completed</code> to NO.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p> <p>EKRreminder.h</p> <p>....</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>dueDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(nonatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to NSGregorianCalendar; otherwise an exception is raised.</p> <p>This component's timeZone property is independent of time zone properties on startDateComponents and its super EKCalendarItem object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b></p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><code>EKReminder.h</code></p> <p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p><code>@property (nonatomic, copy) NSDateComponents *startDateComponents</code></p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A <code>nil</code> time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components's <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKReminder.h</code></p> <p>(EV0001432-33.)</p> <p>In another example, the “absoluteDate” and/or “relativeOffset” registers of the “Alarms” containers identify times at which the “Alarms” containers may interact with other containers, processes, systems, and/or gateways of the iOS operating system in order to carry out calendar-related, event-related, reminder-related, and alarm-related functions:</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>absoluteDate</b></p> <p>The absolute date for the alarm.</p> <p>@property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b></p> <p>If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>...</p> <p><b>relativeOffset</b></p> <p>The offset from the start of an event, at which the alarm fires.</p> <p>@property NSTimeInterval relativeOffset</p> <p><b>Discussion</b></p> <p>If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKALarm.h</p> <p>(EV0001419.)</p> <p>Publicly available information indicates that neutral time registers are used throughout the iOS operating system of the iOS-Compatible Devices. The neutral time registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the neutral time registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
1J	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>Some examples of gateways attached to and forming part of the Event, EventStore, Alarm, and Reminder containers include eventWithEventStore;, compareStartDateWithEvent;, refresh;, authorizationStatusForEntityType;, calendarItemsWithExternalIdentifier;, calendarItemWithIdentifier;, calendarsForEntityType;, calendarWithIdentifier;, cancelFetchRequest;, commit;, enumerateEventsMatchingPredicate:usingBlock;, eventsMatchingPredicate;, eventWithIdentifier;, fetchRemindersMatchingPredicate:completion;, predicateForCompletedRemindersWithCompletionDateStarting:ending:calendars;, predicateForEventsWithStartDate:endDate:calendars;, predicateForIncompleteRemindersWithDueDateStarting:ending:calendars;, predicateForRemindersInCalendars;, refreshSourcesIfNecessary;, removeCalendar:commit:error;, removeEvent:span:commit:error;, removeEvent:span:error;, removeReminder:commit:error;, requestAccessToEntityType:completion;, reset;, saveCalendar:commit:error;, saveEvent:span:commit:error;, saveEvent:span:error;, saveReminder:commit:error;, sourceWithIdentifier;, addAlarm;, addRecurrenceRule;, removeAlarm;, and removeRecurrenceRule;</p> <p><b>eventWithEventStore:</b> Creates and returns a new event belonging to a specified event store.</p> <pre> + (EKEvent *)eventWithEventStore:(EKEventStore *)eventStore </pre> <p><b>Parameters</b> <i>eventStore</i> The event store to which the event belongs.</p> <p><b>Return Value</b> The created event.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>compareStartDateWithEvent:</b></p> <p>Compares the start date of the receiving event with the start date of another event.</p> <p>- (NSComparisonResult)compareStartDateWithEvent:(EKEvent *)other</p> <p><b>Parameters</b> other The event to compare against.</p> <p><b>Return Value</b></p> <ul style="list-style-type: none"> <li>• <i>NSOrderedAscending</i> if the start date of the receiver precedes the start date of other.</li> <li>• <i>NSOrderedSame</i> if the start dates of the two events are identical.</li> <li>• <i>NSOrderedDescending</i> if the start date of the receiver comes after the start date of other.</li> </ul> <p><b>Discussion</b> You can pass the selector for this method to the NSArray method <i>sortedArrayUsingSelector:</i> to create an array of events sorted by start date.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>refresh</b></p> <p>Updates the event's data with the current information in the Calendar database.</p> <p>- (BOOL)refresh</p> <p><b>Return Value</b> If the event was successfully refreshed, YES; otherwise, NO.</p> <p><b>Discussion</b> You should call this method only on events that your application is editing, and only when your application receives the <i>EKEventStoreChangedNotification</i> notification. If this method returns NO, the event has been deleted or otherwise invalidated, and you should not continue to use it.</p> <p>This method does not replace the values of any properties that you have modified.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p>(EV0001427-28.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>authorizationStatusForEntityType:</b> Returns the authorization status for the given entity type.</p> <p>+ (EKAuthorizationStatus) authorizationStatusForEntityType: (EKEntityType) entityType</p> <p><b>Parameters</b> <i>entityType</i> The event or reminder entity type.</p> <p><b>Return Value</b> The app's authorization status of the given type.</p> <p><b>Availability</b> Available on iOS 6 and later.</p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>calendarItemsWithExternalIdentifier:</b> Returns either the event's first occurrences or the reminders with the specified external identifier.</p> <p>- (NSArray *) calendarItemsWithExternalIdentifier: (NSString *) externalIdentifier</p> <p><b>Parameters</b> <i>externalIdentifier</i> The calendar item's external identifier.</p> <p><b>Return Value</b> An array of calendar items with the specified identifier.</p> <p><b>Discussion</b> The external identifier can be obtained from the <code>calendarItemExternalIdentifier</code> property. There may be more than one matching calendar item due to reasons discussed in <code>calendarItemExternalIdentifier</code>.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>calendarItemWithIdentifier:</b></p> <p>Returns either the event's first occurrence or the reminder with the specified identifier.</p> <p>- (<i>NSArray *</i>)calendarItemWithIdentifier:(<i>NSString *</i>)<i>identifier</i></p> <p><b>Parameters</b> <i>identifier</i> The calendar item's unique identifier.</p> <p><b>Return Value</b> The reminder or the first occurrence of an event with the specified identifier.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>calendarsForEntityType:</b></p> <p>Returns calendars that support a given entity type, such as reminders or events.</p> <p>- (<i>NSArray *</i>)calendarsForEntityType:(<i>EREntityType</i>)<i>entityType</i></p> <p><b>Parameters</b> <i>entityType</i> The calendar's entity type.</p> <p><b>Return Value</b> The calendar that supports the specified entity type.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>See Also</b> <a href="#">EKEntityType</a></p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>calendarWithIdentifier:</b> Returns the calendar with the specified identifier.</p> <p>- (EKCalendar *)calendarWithIdentifier:(NSString *)identifier</p> <p><b>Parameters</b> <i>identifier</i> The calendar's unique identifier.</p> <p><b>Return Value</b> The calendar with the specified identifier.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>cancelFetchRequest:</b> Cancels the request to fetch reminders.</p> <p>- (void)cancelFetchRequest:(id)fetchIdentifier</p> <p><b>Parameters</b> <i>fetchIdentifier</i> The identifier of the request as returned by <code>fetchRemindersMatchingPredicate:completion:</code>.</p> <p><b>Discussion</b> Once called, the completion block specified in <code>fetchRemindersMatchingPredicate:completion:</code> will not be called.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>commit:</b> Commits all unsaved changes to the event store.</p> <p>- (BOOL)commit:(NSError **)error</p> <p><b>Parameters</b> error A pointer to an NSError object. You do not need to create an NSError object. The commit operation aborts after the first failure if you pass NULL.</p> <p><b>Return Value</b> If the commit operation succeeded, YES; otherwise, NO. Returns YES even when there are no changes to commit.</p> <p><b>Discussion</b> This method allows you to save batched changes to the event store. For example, if you pass NO as the commit parameter to the saveCalendar:commit:error;, removeCalendar:commit:error;, saveEvent:span:commit:error; or removeEvent:span:commit:error: methods, the changes are not saved until this method is invoked. Likewise, if you pass YES as the commit parameter to the aforementioned methods, there is no need to call this method.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>enumerateEventsMatchingPredicate:usingBlock:</b></p> <p>Finds all events that match a given predicate and calls a given callback for each event found.</p> <p>- (void)enumerateEventsMatchingPredicate:(NSPredicate *)predicate usingBlock:(EKEventSearchCallback) block</p> <p><b>Parameters</b> <i>predicate</i> The search predicate. Must be created with the predicateForEventsWithStartDate:endDate:calendars: method.</p> <p><i>block</i> The block callback to call for each event. The callback must match the signature defined by EKEventSearchCallback.</p> <p><b>Discussion</b> Only events that have been committed are included in enumeration. Events saved using saveEvent:span:commit:error: with the <i>commit</i> parameter set to <i>NO</i> must call <i>commit:</i> beforehand to be included.</p> <p>This method is synchronous. For asynchronous behavior, run the method on another thread with <i>dispatch_async</i> or <i>NSOperation</i>.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- eventsMatchingPredicate:</li> <li>EKEventSearchCallback</li> <li>- predicateForEventsWithStartDate:endDate:calendars:</li> </ul> <p><b>Declared In</b> EKEventStore.h</p> <p><b>eventsMatchingPredicate:</b></p> <p>Returns all events that match a given predicate.</p> <p>- (NSArray *)eventsMatchingPredicate:(NSPredicate *)predicate</p> <p><b>Parameters</b> <i>predicate</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>The search predicate. Must be created with the <code>predicateForEventsWithStartDate:endDate:calendars:</code> method.</p> <p><b>Return Value</b> All events that match <code>predicate</code>, as an array of <code>EKEEvent</code> objects.</p> <p><b>Discussion</b> Only events that have been committed are included in the results. Events saved using <code>saveEvent:span:commit:error:</code> with the <code>commit</code> parameter set to <code>NO</code> must call <code>commit:</code> beforehand to be included.</p> <p>This method is synchronous. For asynchronous behavior, run the method on another thread with <code>dispatch_async</code> or <code>NSOperation</code>.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>— <code>enumerateEventsMatchingPredicate:usingBlock:</code></li> <li>— <code>predicateForEventsWithStartDate:endDate:calendars:</code></li> </ul> <p><b>Declared In</b> <code>EKEEventStore.h</code></p> <p><b>eventWithIdentifier:</b></p> <p>Returns the first occurrence of an event with a given identifier.</p> <p>— <code>(EKEEvent *)eventWithIdentifier:(NSString *)identifier</code></p> <p><b>Parameters</b> <i>identifier</i> The identifier of the event.</p> <p><b>Return Value</b> The event corresponding to <code>identifier</code>, or <code>nil</code> if no event is found.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> <code>EKEEventStore.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>fetchRemindersMatchingPredicate:completion:</b></p> <p>Fetches reminders matching a given predicate.</p> <pre> - (id)fetchRemindersMatchingPredicate:(NSPredicate *)predicate completion:(void (^)(NSArray *) completion) </pre> <p><b>Parameters</b></p> <p><i>predicate</i> The search predicate.</p> <p><i>completion</i> An array of the matched reminders passed by reference.</p> <p><b>Return Value</b> A value to be used in <code>cancelFetchRequest:</code> to cancel the request later if desired.</p> <p><b>Discussion</b> Only reminders that have been committed are included in the results. Reminders saved using <code>saveReminder:commit:error:</code> with the <code>commit</code> parameter set to <code>NO</code> must call <code>commit:</code> beforehand to be included.</p> <p>This method fetches reminders asynchronously.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- <code>predicateForRemindersInCalendars:</code></li> <li>- <code>predicateForIncompleteRemindersWithDueDateStarting:ending:calendars:</code></li> <li>- <code>predicateForCompletedRemindersWithCompletionDateStarting:ending:calendars:</code></li> </ul> <p><b>Declared In</b> <code>EKEventStore.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>predicateForCompletedRemindersWithCompletionDateStarting:ending:calendars:</b> Fetches completed reminders in a set of calendars within an optional range.</p> <pre>- (NSPredicate *)predicateForIncompleteRemindersWithDueDateStarting:(NSDate *) startDate ending:(NSDate *) endDate calendars:(NSArray *) calendars</pre> <p><b>Parameters</b> <i>startDate</i> The starting bound of the range to search. <i>endDate</i> The ending bound of the range to search. <i>calendars</i> An array of calendars to search.</p> <p><b>Return Value</b> The created predicate to be used for <code>fetchRemindersMatchingPredicate:completion:</code>.</p> <p><b>Discussion</b> Pass <code>nil</code> for <i>startDate</i> to find all reminders completed before <i>endDate</i>. Similarly, pass <code>nil</code> for both <i>startDate</i> and <i>endDate</i> to get all complete reminders in the specified calendars.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>KEEventStore.h</code></p> <p><b>predicateForEventsWithStartDate:endDate:calendars:</b> Creates and returns a predicate for finding events in the event store that fall within a given date range.</p> <pre>- (NSPredicate *)predicateForEventsWithStartDate:(NSDate *) startDate endDate:(NSDate *) endDate calendars:(NSArray *) calendars</pre> <p><b>Parameters</b> <i>startDate</i> The start date of the range of events fetched. <i>endDate</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>The end date of the range of events fetched.</p> <p><i>calendars</i> The <code>calendars</code> to search, as an array of <code>EKCalendar</code> objects. Passing <code>nil</code> indicates to search all calendars.</p> <p><b>Return Value</b> The created predicate.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- <code>eventsMatchingPredicate:</code></li> <li>- <code>enumerateEventsMatchingPredicate:usingBlock:</code></li> </ul> <p><b>Declared In</b> <code>EKEventStore.h</code></p> <p><b>predicateForIncompleteRemindersWithDueDateStarting:ending:calendars:</b> Fetches incomplete reminders in a set of calendars within an optional range.</p> <ul style="list-style-type: none"> <li>- <code>(NSPredicate *)predicateForIncompleteRemindersWithDueDateStarting:(NSDate *) startDate ending:(NSDate *) endDate calendars:(NSArray *) calendars</code></li> </ul> <p><b>Parameters</b></p> <p><i>startDate</i> The starting bound of the range to search.</p> <p><i>endDate</i> The ending bound of the range to search.</p> <p><i>calendars</i> An array of calendars to search.</p> <p><b>Return Value</b> The created predicate to be used for <code>fetchRemindersMatchingPredicate:completion:</code>.</p> <p><b>Discussion</b> Pass <code>nil</code> for <code>startDate</code> to find all reminders due before <code>endDate</code>. Similarly, pass <code>nil</code> for both <code>startDate</code> and <code>endDate</code> to get all incomplete reminders in the specified calendars.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKEventStore.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>predicateForRemindersInCalendars:</b></p> <p>Fetches all reminders in a set of calendars.</p> <p>- (NSPredicate *)predicateForRemindersInCalendars:(NSArray *)calendars</p> <p><b>Parameters</b> <i>calendars</i> An array of calendars to search.</p> <p><b>Return Value</b> The created predicate to be used for <code>fetchRemindersMatchingPredicate:completion:</code>.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>refreshSourcesIfNecessary</b></p> <p>Pulls new data from remote sources if necessary.</p> <p>- (void)refreshSourcesIfNecessary</p> <p><b>Discussion</b> Use this method to pull new data from remote sources if the local data is out of date.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>removeCalendar:commit:error:</b></p> <p>Removes a calendar from the event store by either batching or committing the changes.</p> <p>– (BOOL)removeCalendar:(EKCalendar *)calendar commit:(BOOL)commit error:(NSError **)error</p> <p><b>Parameters</b>  <i>calendar</i>  The calendar to be removed.</p> <p><b>commit</b>  YES to remove the calendar immediately; otherwise, the change is batched until the <code>commit:</code> method is invoked.</p> <p><b>error</b>  The error that occurred, if any; otherwise, nil.</p> <p><b>Return Value</b>  YES if successful; otherwise, NO.</p> <p><b>Discussion</b>  This method raises an exception if <i>calendar</i> belongs to another event store.</p> <p><b>Availability</b>  Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>– <code>commit:</code></li> <li>– <code>saveCalendar:commit:error:</code></li> </ul> <p><b>Declared In</b>  EKEventStore.h</p> <p><b>removeEvent:span:commit:error:</b></p> <p>Removes an event or recurring events from the event store by either batching or committing the changes.</p> <p>– (BOOL)removeEvent:(EKEvent *)event span:(EKSpan)span commit:(BOOL)commit error:(NSError **)error</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>** ) error</b></p> <p><b>Parameters</b>  <i>event</i>  The event to remove.</p> <p><i>span</i>  The span to use. Indicates whether the remove affects future instances of the event in the case of a recurring event.</p> <p><b>commit</b>  YES to remove the event immediately; otherwise, the change is batched until the <code>commit:</code> method is invoked.</p> <p><b>error</b>  The error that occurred, if any did. Otherwise, <code>nil</code>.</p> <p><b>Return Value</b>  If the event has successfully removed, YES; otherwise, NO. Also returns NO if event cannot be removed because it is not in the event store.</p> <p><b>Discussion</b>  This method raises an exception if it is passed an event from another event store.</p> <p><b>Availability</b>  Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- <code>commit:</code></li> <li>- <code>removeEvent:span:error:</code></li> <li>- <code>saveEvent:span:error:</code></li> <li>- <code>saveEvent:span:commit:error:</code></li> </ul> <p><b>Declared In</b>  EKEEventStore.h</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>removeEvent:span:error:</b></p> <p>Removes an event from the event store.</p> <p>- (BOOL)removeEvent:(EKEvent *)event span:(EKSpan)span error:(NSError **)error</p> <p><b>Parameters</b></p> <p><i>event</i> The event to be removed.</p> <p><i>span</i> The span to use. Indicates whether to remove future instances of the event in the case of a recurring event.</p> <p><i>error</i> The error if one occurred; otherwise, nil.</p> <p><b>Return Value</b> If the event has successfully removed, YES; otherwise, NO. Also returns NO if event cannot be removed because it is not in the event store.</p> <p><b>Discussion</b> This method raises an exception if it is passed an event from another event store.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>See Also</b></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p> <ul style="list-style-type: none"> <li>- saveEvent:span:error:</li> <li>- saveEvent:span:commit:error:</li> <li>- removeEvent:span:commit:error:</li> </ul> <b>Declared In</b>            EKEEventStore.h         </p> <p> <b>removeReminder:commit:error:</b>            Removes a reminder from the event store by either committing or batching the changes.         </p> <p>           - (BOOL)removeReminder:(EKReminder *)reminder commit:(BOOL)commit error:(NSError **)error         </p> <p> <b>Parameters</b>  <i>reminder</i>            The reminder to be removed.  <i>commit</i>            A Boolean value indicating whether to remove the reminder immediately or to batch the removals; passing NO will not commit the removal from the event store until the <code>commit:</code> method is invoked.  <i>error</i>            The error that occurred, if any; otherwise, nil.         </p> <p> <b>Return Value</b>            If successful, YES; otherwise, NO.         </p> <p> <b>Discussion</b>            This method raises an exception if <i>reminder</i> belongs to another event store.         </p> <p> <b>Availability</b>            Available in iOS 6.0 and later.         </p> <p> <b>See Also</b>  <ul style="list-style-type: none"> <li>- commit:</li> <li>- saveReminder:commit:error:</li> </ul> </p> <p> <b>Declared In</b>            EKEEventStore.h         </p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>requestAccessToEntityType:completion:</b></p> <p>Prompts the user to grant or deny access to event or reminder data.</p> <p>- (void) requestAccessToEntityType:(<i>EntityType</i>) entityType completion:(<i>EventStoreRequestAccessCompletionHandler</i>) completion</p> <p><b>Parameters</b></p> <p><i>entityType</i> The event or reminder entity type.</p> <p><i>completion</i> The block to call when the request completes.</p> <p><b>Discussion</b></p> <p>In iOS 5 and later, requesting access to an event store asynchronously prompts your users for permission to use their data. The user is only prompted the first time your app requests access to an entity type; any subsequent instantiations of <i>EventStore</i> uses existing permissions. When the user taps to grant or deny access, the completion handler will be called on an arbitrary queue. Your app is not blocked while the user decides to grant or deny permission.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>After users choose their permission level, the event store either calls the completion handler or broadcasts an <code>EventStoreChangedNotification</code>. The completion handler is called on iOS 6 and later, and the notification is broadcasted on iOS 5. Because users may deny access to the event store, your app should handle an empty data case.</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Important:</b> If your app has never requested access before, you must request access to events or reminders before attempting to fetch or create them. If you request data before prompting the user for access with this method, you'll need to reset the event store with the <code>reset</code> method in order to start receiving data once the user grants access.</p> </div> <p><b>Availability</b> Available on iOS 6 and later.</p> <p><b>Declared In</b> <code>EventStore.h</code></p> <p><b>reset</b> Returns the event store to its saved state.</p> <p>- (void)reset</p> <p><b>Discussion</b> This method updates all the properties of all the objects with their corresponding values in the event store. Any local changes that were not saved before invoking this method will be lost. All objects that were created or retrieved using this store are disassociated from it and should be considered invalid.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b> <code>reset</code></p> <p><b>Declared In</b> <code>EventStore.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>saveCalendar:commit:error:</b></p> <p>Saves a calendar to the event store by either committing or batching the changes.</p> <p>- (BOOL) saveCalendar: (EKCalendar *) calendar commit: (BOOL) commit error: (NSError **) error</p> <p><b>Parameters</b></p> <p><i>calendar</i> The calendar to be saved.</p> <p><i>commit</i> YES to save the calendar immediately; otherwise, the change is batched until the <code>commit:</code> method is invoked.</p> <p><i>error</i> The error that occurred, if any; otherwise, nil.</p> <p><b>Return Value</b> YES if successful; otherwise, NO.</p> <p><b>Discussion</b> This method raises an exception if <i>calendar</i> belongs to another event store.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- <code>commit:</code></li> <li>- <code>removeCalendar:commit:error:</code></li> </ul> <p><b>Declared In</b> EKEventStore.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>saveEvent:span:commit:error:</b></p> <p>Saves an event or recurring events to the event store by either batching or committing the changes.</p> <p>- (BOOL)saveEvent:(<i>REvent *</i>)event span:(<i>ERSpan</i>)span commit:(BOOL)commit error:(<i>NSError *</i>)error</p> <p><b>Parameters</b></p> <p><i>event</i> The event to be saved.</p> <p><i>span</i> The span to use. Indicates whether the save affects future instances of the event in the case of a recurring event.</p> <p><i>commit</i> To save the event immediately, pass <i>YES</i>; otherwise, the change is batched until the <i>commit:</i> method is invoked.</p> <p><i>error</i> The error that occurred, if any; otherwise, <i>nil</i>.</p> <p><b>Return Value</b> If successful, <i>YES</i>; otherwise, <i>NO</i>. Also returns <i>NO</i> if <i>event</i> does not need to be saved because it has not been modified.</p> <p><b>Discussion</b> This method raises an exception if it is passed an event from another event store.</p> <p>When an event is saved, it is updated in the Calendar database. Any fields you did not modify are updated to reflect the most recent value in the database. If the event has been deleted from the database, it is re-created as a new event.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>- <i>commit:</i></li> <li>- <i>saveEvent:span:error:</i></li> <li>- <i>removeEvent:span:error:</i></li> <li>- <i>removeEvent:span:commit:error:</i></li> </ul> <p><b>Declared In</b> <i>REEventStore.h</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>saveReminder:commit:error:</b></p> <p>Saves changes to a reminder by either committing or batching the changes.</p> <p>- (BOOL)saveReminder:(EKReminder *)reminder commit:(BOOL)commit error:(NSError **)error</p> <p><b>Parameters</b></p> <p><i>reminder</i> The reminder to be saved.</p> <p><i>commit</i> A Boolean value indicating whether to save the reminder immediately or to batch the changes; passing NO will not commit changes to the event store until the <code>commit:</code> method is invoked.</p> <p><i>error</i> The error that occurred, if any; otherwise, nil.</p> <p><b>Return Value</b> If successful, YES; otherwise, NO.</p> <p><b>Discussion</b> This method raises an exception if <i>reminder</i> belongs to another event store.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>See Also</b></p> <p>- <code>commit:</code> - <code>removeReminder:commit:error:</code></p> <p><b>Declared In</b> EKEventStore.h</p> <p><b>SOURCES</b></p> <p>Returns an unordered array of source objects.</p> <p>- (NSArray *)sources</p> <p><b>Return Value</b> An unordered array of EKSource objects.</p> <p><b>Discussion</b> An EKSource object represents an account that contains calendars.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>sourceWithIdentifier:</b> Returns a source with the specified identifier.</p> <p>- (EKSource *)sourceWithIdentifier:(NSString *)identifier</p> <p><b>Parameters</b> <i>identifier</i> The source's unique identifier.</p> <p><b>Return Value</b> The source with the specified identifier.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared In</b> EKEventStore.h</p> <p>(EV0001462-75.)</p> <hr/> <p><b>addAlarm:</b> <i>Adds an alarm to the receiver.</i></p> <p>- (void)addAlarm:(EKAlarm *)alarm</p> <p><b>Parameters</b> <i>alarm</i> The alarm to be added.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b> @property alarms (page 6) @property hasAlarms (page 9) - removeAlarm: (page 15)</p> <p><b>Declared in</b> EKCalendarItem.h</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>addRecurrenceRule:</b></p> <p><i>Adds a recurrence rule to the recurrence rule array.</i></p> <p>– (void)addRecurrenceRule:(EKRecurrenceRule *)rule</p> <p><b>Parameters</b> rule</p> <p>The rule to be added to recurrenceRules (page 12).</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>– removeRecurrenceRule: (page 15)</li> <li>@property recurrenceRules (page 12)</li> <li>@property hasRecurrenceRules (page 10)</li> </ul> <p><b>Declared in</b> EKCalendarItem.h</p> <p><b>removeAlarm:</b></p> <p><i>Removes an alarm from the calendar item.</i></p> <p>– (void)removeAlarm:(EKAlarm *)alarm</p> <p><b>Parameters</b> alarm</p> <p>The alarm to be removed.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b></p> <ul style="list-style-type: none"> <li>@property alarms (page 6)</li> <li>– addAlarm: (page 14)</li> <li>@property hasAlarms (page 9)</li> </ul> <p><b>Declared in</b> EKCalendarItem.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>removeRecurrenceRule:</b></p> <p><i>Removes a recurrence rule from the recurrence rule array.</i></p> <p>– (void)removeRecurrenceRule:(EKRecurrenceRule *)rule</p> <p><b>Parameters</b> rule</p> <p>The rule to be removed from <a href="#">recurrenceRules</a> (page 12).</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b> – <a href="#">addRecurrenceRule:</a> (page 14) – <a href="#">@property recurrenceRules</a> (page 12) – <a href="#">@property hasRecurrenceRules</a> (page 10)</p> <p><b>Declared in</b> EKCalendarItem.h</p> <p>(EV0001491-92.)</p> <p>Some examples of gateways attached to and forming part of the CLLocation, CLLocationManager, CLPlacemark, CLRegion, and CLHeading containers include <code>distanceFromLocation</code>, <code>initWithCoordinate:altitude:horizontalAccuracy:verticalAccuracy:course:speed:timestamp;</code>, <code>initWithCoordinate:altitude:horizontalAccuracy:verticalAccuracy:timestamp;</code>, <code>initWithLatitude:longitude;</code>, <code>delegate</code>, <code>authorizationStatus</code>, <code>locationServicesEnabled</code>, <code>deferredLocationUpdatesAvailable</code>, <code>significantLocationChangeMonitoringAvailable</code>, <code>headingAvailable</code>, <code>regionMonitoringAvailable</code>, <code>startUpdatingLocation</code>, <code>stopUpdatingLocation</code>, <code>pausesLocationUpdatesAutomatically</code>, <code>distanceFilter</code>, <code>desiredAccuracy</code>, <code>activityType</code>, <code>startMonitoringSignificantLocationChanges</code>, <code>stopMonitoringSignificantLocationChanges</code>, <code>startUpdatingHeading</code>, <code>stopUpdatingHeading</code>, <code>dismissHeadingCalibrationDisplay</code>, <code>headingFilter</code>, <code>headingOrientation</code>, <code>startMonitoringForRegion</code>, <code>stopMonitoringForRegion</code>, <code>monitoredRegions</code>, <code>maximumRegionMonitoringDistance</code>, <code>allowDeferredLocationUpdatesUntilTraveled:timeout;</code>, <code>disallowDeferredLocationUpdates</code>, <code>location</code>, <code>heading</code>, <code>purpose</code>, <code>initWithPlacemark;</code>, <code>containsCoordinate;</code> and <code>initWithCircularRegionWithCenter:radius:identifier:</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>description</b></p> <p>Returns the location data in a formatted text string.</p> <ul style="list-style-type: none"> <li>- (NSString *)description</li> </ul> <p><b>Return Value</b></p> <p>A string of the form "<code>&lt;&lt;latitude&gt;, &lt;longitude&gt;&gt; +/- &lt;accuracy&gt; m (speed &lt;speed&gt; kph / heading &lt;heading&gt; ) @ &lt;date-time&gt;</code>", where <code>&lt;latitude&gt;</code>, <code>&lt;longitude&gt;</code>, <code>&lt;accuracy&gt;</code>, <code>&lt;speed&gt;</code>, and <code>&lt;heading&gt;</code> are formatted floating point numbers and <code>&lt;date-time&gt;</code> is a formatted date string that includes date, time, and time zone information.</p> <p><b>Discussion</b></p> <p>The returned string is intended for display purposes only.</p> <p><b>Availability</b></p> <p>Available in iOS 2.0 and later.</p> <p><b>Declared in</b></p> <p>CLLocation.h</p> <p><b>distanceFromLocation:</b></p> <p>Returns the distance (in meters) from the receiver's location to the specified location.</p> <ul style="list-style-type: none"> <li>- (CLLocationDistance)distanceFromLocation:(const CLLocation *)location</li> </ul> <p><b>Parameters</b></p> <p>location The other location.</p> <p><b>Return Value</b></p> <p>The distance (in meters) between the two locations.</p> <p><b>Discussion</b></p> <p>This method measures the distance between the two locations by tracing a line between them that follows the curvature of the Earth. The resulting arc is a smooth curve and does not take into account specific altitude changes between the two locations.</p> <p><b>Availability</b></p> <p>Available in iOS 3.2 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>Related Sample Code GeocoderDemo</p> <p><b>Declared in</b> CLLocation.h</p> <p><b>initWithCoordinate:altitude:horizontalAccuracy:verticalAccuracy:timestamp:</b> <i>Initializes and returns a location object with the specified coordinate information.</i></p> <p>- (id)initWithCoordinate:(CLLocationCoordinate2D)coordinate altitude:(CLLocationDistance)altitude horizontalAccuracy:(CLLocationAccuracy)hAccuracy verticalAccuracy:(CLLocationAccuracy)vAccuracy timestamp:(NSDate *)timestamp</p> <p><b>Parameters</b> coordinate A coordinate structure containing the latitude and longitude values.</p> <p>altitude The altitude value for the location.</p> <p>hAccuracy The accuracy of the coordinate value. Specifying a negative number indicates that the coordinate value is invalid.</p> <p>vAccuracy The accuracy of the altitude value. Specifying a negative number indicates that the altitude value is invalid.</p> <p>timestamp The time to associate with the location object. Typically, you would set this to the current time.</p> <p><b>Return Value</b> A location object initialized with the specified information.</p> <p><b>Discussion</b> Typically, you acquire location objects from the location service, but you can use this method to create new location objects for other uses in your application.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>Declared in</b> CLLocation.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>initWithLatitude:longitude:</b></p> <p><i>Initializes and returns a location object with the specified latitude and longitude.</i></p> <pre>- (id)initWithLatitude:(CLLocationDegrees)latitude longitude:(CLLocationDegrees)longitude</pre> <p><b>Parameters</b></p> <p>latitude The latitude of the coordinate point.</p> <p>longitude The longitude of the coordinate point.</p> <p><b>Return Value</b> A location object initialized with the specified coordinate point.</p> <p><b>Discussion</b> Typically, you acquire location objects from the location service, but you can use this method to create new location objects for other uses in your application. When using this method, the other properties of the object are initialized to appropriate values. In particular, the altitude and horizontalAccuracy properties are set to 0, the verticalAccuracy property is set to -1 to indicate that the altitude value is invalid, and the timestamp property is set to the time at which the instance was initialized.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b> AVMovieExporter GeocoderDemo pARk</p> <p><b>Declared in</b> CLLocation.h</p> <p>(EV0001518-21.)</p> <p><b>Accessing the Delegate</b></p> <p><i>delegate</i> (page 11) <i>property</i> The delegate object to receive update events.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Determining the Availability of Services</b></p> <hr/> <ul style="list-style-type: none"> <li>+ <code>authorizationStatus</code> (page 17) Returns the application's authorization status for using location services.</li> <li>+ <code>locationServicesEnabled</code> (page 18) Returns a Boolean value indicating whether location services are enabled on the device.</li> <li>+ <code>deferredLocationUpdatesAvailable</code> (page 17) Returns a Boolean value indicating whether the device supports deferred location updates.</li> <li>+ <code>significantLocationChangeMonitoringAvailable</code> (page 19) Returns a Boolean value indicating whether significant location change tracking is available.</li> <li>+ <code>headingAvailable</code> (page 18) Returns a Boolean value indicating whether the location manager is able to generate heading-related events.</li> <li>+ <code>regionMonitoringAvailable</code> (page 19) Returns a Boolean value indicating whether region monitoring is supported on the current device.</li> </ul> <p><b>Initiating Standard Location Updates</b></p> <hr/> <ul style="list-style-type: none"> <li>- <code>startUpdatingLocation</code> (page 25) Starts the generation of updates that report the user's current location.</li> <li>- <code>stopUpdatingLocation</code> (page 27) Stops the generation of location updates.</li> </ul> <p><code>pausesLocationUpdatesAutomatically</code> (page 16) <i>property</i></p> <p>A Boolean value indicating whether the location manager object may pause location updates.</p> <p><code>distanceFilter</code> (page 12) <i>property</i></p> <p>The minimum distance (measured in meters) a device must move horizontally before an update event is generated.</p> <p><code>desiredAccuracy</code> (page 12) <i>property</i></p> <p>The accuracy of the location data.</p> <p><code>activityType</code> (page 11) <i>property</i></p> <p>The type of user activity associated with the location updates.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Initiating Significant Location Updates</b></p> <ul style="list-style-type: none"> <li>- <i>startMonitoringSignificantLocationChanges</i> (page 23) Starts the generation of updates based on significant location changes.</li> <li>- <i>stopMonitoringSignificantLocationChanges</i> (page 26) Stops the delivery of location events based on significant location changes.</li> </ul> <p><b>Initiating Heading Updates</b></p> <ul style="list-style-type: none"> <li>- <i>startUpdatingHeading</i> (page 24) Starts the generation of updates that report the user's current heading.</li> <li>- <i>stopUpdatingHeading</i> (page 27) Stops the generation of heading updates.</li> <li>- <i>dismissHeadingCalibrationDisplay</i> (page 21) Dismisses the heading calibration view from the screen immediately.</li> </ul> <p><i>headingFilter</i> (page 13) <i>property</i></p> <p>The minimum angular change (measured in degrees) required to generate new heading events.</p> <p><i>headingOrientation</i> (page 14) <i>property</i></p> <p>The device orientation to use when computing heading values.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Initiating Region Monitoring</b></p> <ul style="list-style-type: none"> <li>- <code>startMonitoringForRegion:</code> (page 22) Starts monitoring the specified region.</li> <li>- <code>stopMonitoringForRegion:</code> (page 26) Stops monitoring the specified region.</li> </ul> <p><code>monitoredRegions</code> (page 16) <i>property</i></p> <p>The set of shared regions monitored by all location manager objects. (read-only)</p> <p><code>maximumRegionMonitoringDistance</code> (page 15) <i>property</i></p> <p>The largest boundary distance that can be assigned to a region. (read-only)</p> <p><b>Deferring Location Updates</b></p> <ul style="list-style-type: none"> <li>- <code>allowDeferredLocationUpdatesUntilTraveled:timeout:</code> (page 20) Tells the location manager to defer the delivery of location data until one of the specified criteria is met.</li> <li>- <code>disableDeferredLocationUpdates</code> (page 21) Cancels the deferral of location updates for this app.</li> </ul> <p><b>Getting Recently Retrieved Data</b></p> <p><code>location</code> (page 14) <i>property</i></p> <p>The most recently retrieved user location. (read-only)</p> <p><code>heading</code> (page 13) <i>property</i></p> <p>The most recently reported heading. (read-only)</p> <p><b>Describing Your Application's Services to the User</b></p> <p><code>purpose</code> (page 32) <i>property</i> <b>Deprecated in iOS 6.0</b></p> <p>An application-provided string that describes the reason for using location services.</p> <p>(EV0001628-31.)</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>initWithPlacemark:</b></p> <p><i>Initializes and returns a placemark object from another placemark object.</i></p> <p>- (id) initWithPlacemark:(CLLocationacemark *)placemark</p> <p><b>Parameters</b> placemark The placemark object to use as the source of the data for the new object.</p> <p><b>Return Value</b> A new placemark object.</p> <p><b>Discussion</b> You can use this method to transfer information from one placemark object to another placemark object.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>Declared in</b> CLLocationacemark.h (EV0001669.)</p> <hr/> <p><b>containsCoordinate:</b></p> <p><i>Returns a Boolean value indicating whether the region contains the specified coordinate.</i></p> <p>- (BOOL) containsCoordinate:(CLLocationCoordinate2D)coordinate</p> <p><b>Parameters</b> coordinate The coordinate to test against the region.</p> <p><b>Return Value</b> YES if the coordinate lies within the region's boundaries or NO if it does not.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared in</b> CLRegion.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>initWithCircularRegionWithCenter:radius:identifier:</b></p> <p><i>Initializes and returns a region object defining a circular area.</i></p> <pre> - (id)initWithCircularRegionWithCenter:(CLLocationCoordinate2D)center radius:(CLLocationDistance)radius identifier:(NSString *)identifier </pre> <p><b>Parameters</b></p> <p><b>center</b> The center point of the region.</p> <p><b>radius</b> The distance (measured in meters) from the center point that marks the boundary of the region.</p> <p><b>identifier</b> A unique identifier to associate with the region object. You use this identifier to differentiate regions within your application. This value must not be nil.</p> <p><b>Return Value</b> An initialized region object.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Related Sample Code</b> GeocoderDemo Regions</p> <p><b>Declared in</b> CLRegion.h</p> <p>(EV0001688-89.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
2A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each iOS-Compatible Device is an apparatus for transmitting, receiving and manipulating information on a computer system. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>Each iOS-Compatible Device includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the iOS operating system of the iOS-Compatible Devices. The containers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2C	an information element having information;	<p>Each container of each iOS-Compatible Device comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
2D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Publicly available information indicates that information elements are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>
2E	a first register for storing a unique container identification	<p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	value,	<p>herein.)</p> <p>Publicly available information indicates that first registers are used throughout the iOS operating system of the iOS-Compatible Devices. The first registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p> <p>For example, at least the following registers of the “CLLocation” container designate geographical space: “altitude,” “coordinate,” “course,” “horizontalAccuracy,” and “verticalAccuracy.”</p> <p>In another example, at least the following registers of the “CLLocationManager” container designate geographical space: “location” and “desiredAccuracy.”</p> <p>In another example, at least the following registers of the “CLLocation” container designate geographical space: “ISOcountryCode,” “country,” “postalCode,” “administrativeArea,” “subAdministrativeArea,” “locality,” “subLocality,” “thoroughfare,” “region,” “inlandWater,” “ocean,” and “areasOfInterest”.</p> <p>In another example, at least the following registers of the “CLRegion” container designate geographical space: “center,” “identifier,” and “radius”.</p> <p>Further, the second register governs interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p>
2F	<p>a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space,</p>	

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>For example, the second registers identified above govern interactions of the corresponding containers with other containers, systems, or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space, in order to perform location-based services such as navigation, mapping, targeted advertising, connecting with nearby users, improving the quality of information offered to users, etc.</p> <p>Publicly available information indicates that second registers are used throughout the iOS operating system of the iOS-Compatible Devices. The second registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2G	<p>an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways.</p> <p>For example, at least the following registers of the “CLLocation,” “CLLocationManager,” “CLPlacemark,” and “CLRegion” containers identify space in which the corresponding container will act upon other containers, processes, systems or gateways to, among other things, perform location-based services such as navigation, mapping, targeted advertising, connecting with nearby users, improving the quality of information offered to users, etc.: “altitude,” “coordinate,” “course,” “horizontalAccuracy,” “verticalAccuracy,” “location,” “desiredAccuracy,” “ISOcountryCode,” “country,” “postalCode,” “administrativeArea,” “subAdministrativeArea,” “locality,” “subLocality,” “thoroughfare,” “subThoroughfare,” “region,” “inlandWater,” “ocean,” “areasOfInterest,” “center,” “identifier,” and “radius”.</p> <p>Publicly available information indicates that active space registers are used throughout the iOS operating system of the iOS-Compatible Devices. The active space registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p>

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		<p>It is believed that the structure and operation of the active space registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2H	<p>a passive register for identifying space in which the container can be acted upon by other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes a passive register for identifying space in which the container can be acted upon other containers, processes, systems or gateways.</p> <p>For example, at least the following registers of the “CLLocation,” “CLLocationManager,” “CLPlacemark,” and “CLRegion” containers identify space in which the corresponding container can be acted upon by other containers, processes, systems or gateways to, among other things, perform location-based services such as navigation, mapping, targeted advertising, connecting with nearby users, improving the quality of information offered to users, etc.: “altitude,” “coordinate,” “course,” “horizontalAccuracy,” “verticalAccuracy,” “location,” “desiredAccuracy,” “ISOcountryCode,” “country,” “postalCode,” “administrativeArea,” “subAdministrativeArea,” “locality,” “subLocality,” “thoroughfare,” “subThoroughfare,” “region,” “inlandWater,” “ocean,” “areasOfInterest,” “center,” “identifier,” and “radius”.</p> <p>Publicly available information indicates that passive registers are used throughout the iOS operating system of the iOS-Compatible Devices. The passive registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the passive registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
2I	<p>a neutral space register for identifying space in which the container may interact with other containers, processes, systems, or gateways; and</p>	<p>function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a neutral space register for identifying space in which the container may interact with other containers, processes, systems or gateways.</p> <p>For example, at least the following registers of the “CLLocation,” “CLLocationManager,” “CLPlacemark,” and “CLRegion” containers identify space in which the corresponding container may interact with other containers, processes, systems or gateways to, among other things, perform location-based services such as navigation, mapping, targeted advertising, connecting with nearby users, improving the quality of information offered to users, etc.: “altitude,” “coordinate,” “course,” “horizontalAccuracy,” “verticalAccuracy,” “location,” “desiredAccuracy,” “ISOcountryCode,” “country,” “postalCode,” “administrativeArea,” “subAdministrativeArea,” “locality,” “subLocality,” “thoroughfare,” “subThoroughfare,” “region,” “inlandWater,” “ocean,” “areasOfInterest,” “center,” “identifier,” and “radius”.</p> <p>Publicly available information indicates that neutral space registers are used throughout the iOS operating system of the iOS-Compatible Devices. The neutral space registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the neutral space registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2J	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other</p>	<p>Each container of each iOS-Compatible Device comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	containers, systems or processes.	<p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
3	The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems or processes, the container history register being modifiable.	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems or processes, the container history register being modifiable.</p> <p>For example, at least the following modifiable container history registers store information regarding past interaction of the container with other systems and processes responsible for updating the values of those registers:</p> <p>“Event” container history registers include: “allDay”, “availability”, “birthdayPersonID”, “endDate”, “eventIdentifier”, “isDetached”, “organizer”, “startDate”, and “status”.</p> <p>“Reminder” container history registers include: “completed”, “completionDate”, “dueDateComponent”, and “startDateComponents”.</p> <p>“Alarm” container history registers include: “absoluteDate”, “proximity”, “relativeOffset”, and “structuredLocation”.</p> <p>“CLLocation” history registers include: “altitude”, “coordinate”, “course”, “horizontalAccuracy”, “speed”, and “verticalAccuracy”.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>“CLLocationManager” history registers include: “activityType”, “delegate”, “desiredAccuracy”, “distanceFilter”, “heading”, “headingFilter”, “headingOrientation”, “location”, “maximumRegionMonitoringDistance”, “monitoredRegions”, and “pausesLocationUpdatesAutomatically”.</p> <p>“CLPlacemark” history registers include: “name”, “addressDictionary”, “ISOcountryCode”, “country”, “postalCode”, “administrativeArea”, “subAdministrativeArea”, “locality”, “subLocality”, “thoroughfare”, “subThoroughfare”, “region”, “inlandWater”, “ocean”, and “areasOfInterest”.</p> <p>“CLRegion” history registers include: “center”, “identifier”, and “radius”.</p> <p>“CLHeading” history registers include: “headingAccuracy”, “magneticHeading”, “trueHeading”, “y”, and “z”.</p> <p>Publicly available information indicates that the container history registers are used throughout the iOS operating system of the iOS-Compatible Devices. The container history registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the container history registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
4	The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one system history register for storing information	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one system history register for storing information regarding past interaction of the container with different operating system and network processes.</p> <p>For example, at least the following system history registers store information regarding past interaction</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
<p>regarding past interaction of the container with different operating system and network processes.</p>		<p>of the container with different operating system (i.e., iOS) system and network processes:</p> <p>“Event” system history registers include: “allDay”, “availability”, “birthdayPersonID”, “endDate”, “eventIdentifier”, “isDetached”, “organizer”, “startDate”, and “status”.</p> <p>“Reminder” system history registers include: “completed”, “completionDate”, “dueDateComponent”, and “startDateComponents”.</p> <p>“Alarm” system history registers include: “absoluteDate”, “proximity”, “relativeOffset”, and “structuredLocation”.</p> <p>“CLLocation” system history registers include: “altitude”, “coordinate”, “course”, “horizontalAccuracy”, “speed”, and “verticalAccuracy”.</p> <p>“CLLocationManager” system history registers include: “activityType”, “delegate”, “desiredAccuracy”, “distanceFilter”, “heading”, “headingFilter”, “headingOrientation”, “location”, “maximumRegionMonitoringDistance”, “monitoredRegions”, and “pausesLocationUpdatesAutomatically”.</p> <p>“CLPlacemark” system history registers include: “name”, “addressDictionary”, “ISOcountryCode”, “country”, “postalCode”, “administrativeArea”, “subAdministrativeArea”, “locality”, “subLocality”, “thoroughfare”, “subThoroughfare”, “region”, “inlandWater”, “ocean”, and “areasOfInterest”.</p> <p>“CLRegion” system history registers include: “center”, “identifier”, and “radius”.</p> <p>“CLHeading” system history registers include: “headingAccuracy”, “magneticHeading”, “trueHeading”, “y”, and “z”.</p> <p>Publicly available information indicates that system history registers are used throughout the iOS operating system of the iOS-Compatible Devices. The system history registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the system history registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
5	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p>	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (see above.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p> <p>Most registers of the iOS operating system with default values qualify. Examples include the “proximity” register of the “Alarm” container, and the “desiredAccuracy” and “distancefilter” registers of the “CLLocationManager” container. These registers can be edited by a user through the iOS gateways provided by each iOS-Compatible Device, and are appendable to containers such as the “Alarm” container and the “CLLocationManager” container.</p> <p>Publicly available information indicates that predefined registers are used throughout the iOS operating system of the iOS-Compatible Devices. The predefined registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the predefined registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
6	<p>The apparatus of claim 1 or 2, wherein the plurality of registers</p>	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (see above.) In addition, with respect to both claims 1 and 2, the plurality of registers includes a user-created register, the user-created register being generated by the user, and being appendable to any container.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>includes a user-created register, the user-created register being generated by the user, and being appendable to any container.</p>	<p>Examples of user-created registers include the following:</p> <p>“Event” container user-created registers include: “allDay”, “availability”, “birthdayPersonID”, “endDate”, “eventIdentifier”, “isDetached”, “organizer”, “startDate”, and “status”.</p> <p>“Reminder” container user-created registers include: “completionDate”, “dueDateComponent”, and “startDateComponents”.</p> <p>“Alarm” container user-created registers include: “absoluteDate”, “proximity”, “relativeOffset”, and “structuredLocation”.</p> <p>“CLLocation” container user-created registers include: “altitude”, “coordinate”, “course”, “horizontalAccuracy”, “speed”, and “verticalAccuracy”.</p> <p>“CLLocationManager” container user-created registers include: “activityType”, “delegate”, “desiredAccuracy”, “distanceFilter”, “heading”, “headingFilter”, “headingOrientation”, “location”, “maximumRegionMonitoringDistance”, “monitoredRegions”, and “pausesLocationUpdatesAutomatically”.</p> <p>“CLPlacemark” container user-created registers include: “name”, “addressDictionary”, “ISOcountryCode”, “country”, “postalCode”, “administrativeArea”, “subAdministrativeArea”, “locality”, “subLocality”, “thoroughfare”, “subThoroughfare”, “region”, “inlandWater”, “ocean”, and “areasOfInterest”.</p> <p>“CLRegion” container user-created registers include: “center”, “identifier”, and “radius”.</p> <p>“CLHeading” container user-created registers include: “headingAccuracy”, “magneticHeading”, “trueHeading”, “y”, and “z”.</p> <p>Publicly available information indicates that user-created registers are used throughout the iOS operating system of the iOS-Compatible Devices. The user-created registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the user-created registers are more fully set forth in the</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
7	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p>	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p> <p>Most registers of the iOS operating system with default values qualify. Examples include the “proximity” register of the “Alarm” container, and the “desiredAccuracy” and “distancefilter” registers of the “CLLocationManager” container.</p> <p>Publicly available information indicates that system-defined registers are used throughout the iOS operating system of the iOS-Compatible Devices. The predefined registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the system-defined registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
8	<p>The apparatus of claim 1 or 2, wherein the plurality of registers</p>	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p>	<p>interacting with them.</p> <p>For example, using an iOS Data Source, a container may add a register from other containers, or may add a container from other containers when interacting with them:</p> <p><b>Data Sources</b></p> <p>A data source is like a delegate except that, instead of being delegated control of the user interface, it is delegated control of data. A data source is an outlet held by <code>NSView</code> and <code>UIView</code> objects such as table views and outline views that require a source from which to populate their rows of visible data. The data source for a view is usually the same object that acts as its delegate, but it can be any object. As with the delegate, the data source must implement one or more methods of an informal protocol to supply the view with the data it needs and, in more advanced implementations, to handle data that users directly edit in such views.</p> <p>As with delegates, data sources are objects that must be present to receive messages from the objects requesting data. The application that uses them must ensure their persistence, retaining them if necessary in memory-managed code.</p> <p>Data sources are responsible for the persistence of the objects they hand out to user-interface objects. In other words, they are responsible for the memory management of those objects. However, whenever a view object such as an outline view or table view accesses the data from a data source, it retains the objects as long as it uses the data. But it does not use the data for very long. Typically it holds on to the data only long enough to display it.</p> <p>(EV0002209.)</p> <p>Publicly available information indicates that acquire registers are used throughout the iOS operating system of the iOS-Compatible Devices. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same</p>

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9	<p>The apparatus of claim 1 or 2, wherein the gateway includes means for acting upon another container, the means for acting upon another container using the plurality of registers to determine whether and how the container acts upon other containers.</p>	<p>function, in substantially the same way, to reach substantially the same result.</p> <p>Each iOS-Compatible Device infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the gateway includes means for acting upon another container, the means for acting upon another container using the plurality of registers to determine whether and how the container acts upon other containers.</p> <p>For example, the gateways of iOS containers include means for acting upon Delegates, using the registers to determine whether and how the Delegate acts upon other iOS containers:</p> <p><b>Delegates and Data Sources</b></p> <p>A delegate is an object that acts on behalf of, or in coordination with, another object when that object encounters an event in a program. The delegating object is often a responder object—that is, an object inheriting from <code>NSResponder</code> in <code>AppKit</code> or <code>UIResponder</code> in <code>UIKit</code>—that is responding to a user event. The delegate is an object that is delegated control of the user interface for that event, or is at least asked to interpret the event in an application-specific manner.</p> <p>To better appreciate the value of delegation, it helps to consider an off-the-shelf Cocoa object such as a text field (an instance of <code>NSTextField</code> or <code>UITextField</code>) or a table view (an instance of <code>NSTableView</code> or <code>UITableView</code>). These objects are designed to fulfill a specific role in a generic fashion; a window object in the <code>AppKit</code> framework, for example, responds to mouse manipulations of its controls and handles such things as closing, resizing, and moving the physical window. This restricted and generic behavior necessarily limits what the object can know about how an event affects (or will affect) something elsewhere in the application, especially when the affected behavior is specific to your application. Delegation provides a way for your custom object to communicate application-specific behavior to the off-the-shelf object.</p>



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The programming mechanism of delegation gives objects a chance to coordinate their appearance and state with changes occurring elsewhere in a program, changes usually brought about by user actions. More importantly, delegation makes it possible for one object to alter the behavior of another object without the need to inherit from it. The delegate is almost always one of your custom objects, and by definition it incorporates application-specific logic that the generic and delegating object cannot possibly know itself.

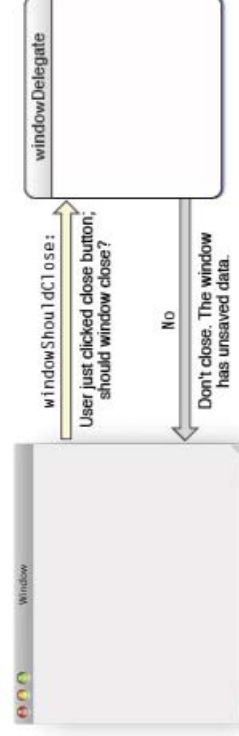
### How Delegation Works

The design of the delegation mechanism is simple (Figure 5-1). The delegating class has an outlet or property, usually one that is named `delegate`; if it is an outlet, it includes methods for setting and accessing the value of the outlet. It also declares, without implementing, one or more methods that constitute a formal protocol or an informal protocol. A formal protocol that uses optional methods—a feature of Objective-C 2.0—is the preferred approach, but both kinds of protocols are used by the Cocoa frameworks for delegation.

In the informal protocol approach, the delegating class declares methods on a category of `NSObject`, and the delegate implements only those methods in which it has an interest in coordinating itself with the delegating object or affecting that object's default behavior. If the delegating class declares a formal protocol, the delegate may choose to implement those methods marked optional, but it must implement the required ones.

Delegation follows a common design, illustrated by Figure 5-1.

Figure 5-1 The mechanism of delegation



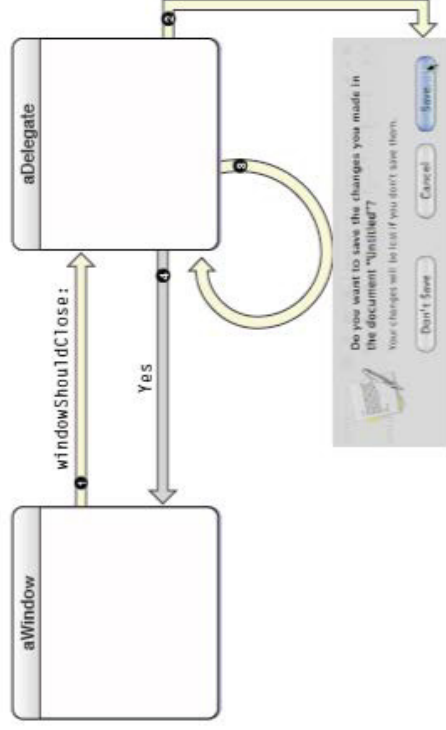
Element

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The methods of the protocol mark significant events handled or anticipated by the delegating object. This object wants either to communicate these events to the delegate or, for impending events, to request input or approval from the delegate. For example, when a user clicks the close button of a window in OS X, the window object sends the `windowShouldClose:` message to its delegate; this gives the delegate the opportunity to veto or defer the closing of the window if, for example, the window has associated data that must be saved (see Figure 5-2).

Figure 5-2 A more realistic sequence involving a delegate



The delegating object sends a message only if the delegate implements the method. It makes this discovery by invoking the `NSObject` method `respondsToSelector:` in the delegate first.

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### The Form of Delegation Messages

Delegation methods have a conventional form. They begin with the name of the AppKit or UIKit object doing the delegating—application, window, control, and so on; this name is in lower-case and without the “NS” or “UI” prefix. Usually (but not always) this object name is followed by an auxiliary verb indicative of the temporal status of the reported event. This verb, in other words, indicates whether the event is about to occur (“Should” or “Will”) or whether it has just occurred (“Did” or “Has”). This temporal distinction helps to categorize those messages that expect a return value and those that don’t. Listing 5-1 includes a few AppKit delegation methods that expect a return value.

Listing 5-1 Sample delegation methods with return values

```
- (BOOL)application:(NSApplication *)sender  
    openFile:(NSString *)filename;           // NSApplication  
  
- (BOOL)application:(UIApplication *)application  
    handleOpenURL:(NSURL *)url;           // UIApplicationDelegate  
  
- (UITableViewCell *)tableView:(NSTableView *)tableView  
    willSelectRows:(UITableViewIndexSet *)selection; // UITableViewDelegate  
  
- (NSRect>windowWillUseStandardFrame:(NSWindow *)window  
    defaultFrame:(NSRect)newFrame;       // NSWindow
```

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The delegate that implements these methods can block the impending event (by returning NO in the first two methods) or alter a suggested value (the index set and the frame rectangle in the last two methods). It can even defer an impending event; for example, the delegate implementing the `applicationShouldTerminate:` method can delay application termination by returning `NSTerminateLater`.

Other delegation methods are invoked by messages that don't expect a return value and so are typed to return void. These messages are purely informational, and the method names often contain "Did", "Will", or some other indication of a transpired or impending event. Listing 5-2 shows a few examples of these kinds of delegation method.

Listing 5-2 Sample delegation methods returning void

```
- (void) tableView:(NSTableView*)tableView  
  mouseDownInHeaderOfTableColumn:(NSTableColumn *)tableColumn; // NSTableView  
- (void) windowDidMove:(NSNotification *)notification; // NSWindow  
- (void) application:(UIApplication *)application  
  willChangeStatusBarFrame:(CGRect)newStatusBarFrame; //  
  UIApplication  
- (void) applicationWillBecomeActive:(NSNotification *)notification; //  
  UIApplication
```

There are a couple of things to note about this last group of methods. The first is that an auxiliary verb of "Will" (as in the third method) does not necessarily mean that a return value is expected. In this case, the event is imminent and cannot be blocked, but the message gives the delegate an opportunity to prepare the program for the event.

The other point of interest concerns the second and last method declarations in Listing 5-2. The sole parameter of each of these methods is an `NSNotification` object, which means that these methods are invoked as the result of the posting of a particular notification. For example, the `windowDidMove:` method is associated with the `NSNotification` `NSNotification`. The section "Notifications" (page 227) discusses notifications in detail, but here it's important to understand the relationship of notifications to delegation messages in AppKit. The delegating object automatically makes its delegate an observer of all notifications it posts. All the delegate needs to do is implement the associated method to get the notification.

To make an instance of your custom class the delegate of an AppKit object, simply connect the instance to the `delegate` outlet or property in Interface Builder. Or you can set it programmatically through the delegating object's `setDelegate:` method or `delegate` property, preferably early on, such as in the `awakeFromNib` or `applicationDidFinishLaunching:` method.

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Delegation and the Cocoa Application Frameworks</b></p> <p>The delegating object in a Cocoa application is often a responder object such as a <code>UIApplication</code>, <code>NSWindow</code>, or <code>NSTableView</code> object. The delegate object itself is typically, but not necessarily, an object, often a custom object, that controls some part of the application (that is, a coordinating controller object). The following AppKit classes define a delegate:</p> <ul style="list-style-type: none"> <li>• <code>NSApplication</code></li> <li>• <code>NSBrowser</code></li> <li>• <code>NSControl</code></li> <li>• <code>NSDrawer</code></li> <li>• <code>NSFontManager</code></li> <li>• <code>NSFontPanel</code></li> <li>• <code>NSMatrix</code></li> <li>• <code>NSOutlineView</code></li> <li>• <code>NSSplitView</code></li> <li>• <code>NSTableView</code></li> <li>• <code>NSTabView</code></li> <li>• <code>NSText</code></li> <li>• <code>NSTextField</code></li> <li>• <code>NSTextView</code></li> <li>• <code>NSWindow</code></li> </ul> <p>The UIKit framework also uses delegation extensively and always implements it using formal protocols. The application delegate is extremely important in an application running in iOS because it must respond to <code>application-launch</code>, <code>application-quit</code>, <code>low-memory</code>, and other messages from the application object. The application delegate must adopt the <code>UIApplicationDelegate</code> protocol.</p> <p>Delegating objects do not (and should not) retain their delegates. However, clients of delegating objects (applications, usually) are responsible for ensuring that their delegates are around to receive delegation messages. To do this, they may have to retain the delegate in memory-managed code. This precaution applies equally to data sources, notification observers, and targets of action messages. Note that in a garbage-collection environment, the reference to the delegate is strong because the retain-cycle problem does not apply.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>Some AppKit classes have a more restricted type of delegate called a <i>modal delegate</i>. Objects of these classes (NSOpenPane 1, for example) run modal dialogs that invoke a handler method in the designated delegate when the user clicks the dialog's OK button. Modal delegates are limited in scope to the operation of the modal dialog.</p> <p>The existence of delegates has other programmatic uses. For example, with delegates it is easy for two coordinating controllers in the same program to find and communicate with each other. For example, the object controlling the application overall can find the controller of the application's inspector window (assuming it's the current key window) using code similar to the following:</p> <pre>id winController = [[NSApp keyWindow] delegate];</pre> <p>And your code can find the application-controller object—by definition, the delegate of the global application instance—by doing something similar to the following:</p> <pre>id appController = [NSApp delegate];</pre> <p>(EV0002204-08.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
10	The apparatus of claim 1 or 2, wherein the gateway includes means	Each iOS-Compatible Device infringes claim 1 and claim 2 ( <i>see above</i> .) In addition, with respect to both claims 1 and 2, the gateway includes means for allowing interaction, the means for allowing interaction using the plurality of registers to determine whether and how another container can act upon the

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>for allowing interaction, the means for allowing interaction using the plurality of registers to determine whether and how another container can act upon the container.</p>	<p>container.</p> <p>For example, the “CLLocationManager” container has a startMonitoringForRegion: gateway with means for allowing interaction with a “CLRegion container,” using the plurality of registers:</p> <p><b>Overview</b></p> <p>The CLRegion class defines a geographical area that can be tracked. When an instance of this class is registered with a CLLocationManager object, the location manager generates an appropriate event whenever the user crosses the boundaries of the defined area.</p> <p>To use this class, create an instance of it and use the startMonitoringForRegion:desiredAccuracy: method of a CLLocationManager object to begin monitoring it.</p> <p>(EV0001686.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startMonitoringForRegion:</b></p> <p><i>Starts monitoring the specified region.</i></p> <p>– (void)startMonitoringForRegion:(CLLocation * ) region</p> <p><b>Parameters</b> region</p> <p>The region object that defines the boundary to monitor. This parameter must not be nil.</p> <p><b>Discussion</b> You must call this method or the <code>startMonitoringForRegion:desiredAccuracy:</code> (page 34) method separately for each region you want to monitor. If an existing region with the same identifier is already being monitored by the application, the old region is replaced by the new one. The regions you add using this method are shared by all location manager objects in your application and stored in the <code>monitoredRegions</code> (page 16) property.</p> <p>Region events are delivered to the <code>CLLocationManager:didEnterRegion:</code> and <code>CLLocationManager:didExitRegion:</code> methods of your delegate. If there is an error, the location manager calls the <code>CLLocationManager:monitoringDidFailForRegion:withError:</code> method of your delegate instead.</p> <p>An app can register up to 20 regions at a time. In order to report region changes in a timely manner, the region monitoring service requires network connectivity.</p> <p>In iOS 6, regions with a radius between 1 and 400 meters work better on iPhone 4S or later devices. (In iOS 5, regions with a radius between 1 and 150 meters work better on iPhone 4S and later devices.) On these devices, an app can expect to receive the appropriate region entered or region exited notification within 3 to 5 minutes on average, if not sooner.</p> <p><b>Availability</b> Available in iOS 5.0 and later.</p> <p><b>See Also</b> – <code>stopMonitoringForRegion:</code> (page 26)</p> <p><b>Declared in</b> <code>CLLocationManager.h</code></p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>(EV0001643-44.)</p> <p>In another example, iOS Delegates have gateway with means for allowing interaction using registers to determine whether and how other containers can act upon the Delegates:</p> <p><b>Delegates and Data Sources</b></p> <p>A delegate is an object that acts on behalf of, or in coordination with, another object when that object encounters an event in a program. The delegating object is often a responder object—that is, an object inheriting from <code>NSResponder</code> in AppKit or <code>UIResponder</code> in UIKit—that is responding to a user event. The delegate is an object that is delegated control of the user interface for that event, or is at least asked to interpret the event in an application-specific manner.</p> <p>To better appreciate the value of delegation, it helps to consider an off-the-shelf Cocoa object such as a text field (an instance of <code>NSTextField</code> or <code>UITextField</code>) or a table view (an instance of <code>NSTableView</code> or <code>UITableView</code>). These objects are designed to fulfill a specific role in a generic fashion; a window object in the AppKit framework, for example, responds to mouse manipulations of its controls and handles such things as closing, resizing, and moving the physical window. This restricted and generic behavior necessarily limits what the object can know about how an event affects (or will affect) something elsewhere in the application, especially when the affected behavior is specific to your application. Delegation provides a way for your custom object to communicate application-specific behavior to the off-the-shelf object.</p>

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The programming mechanism of delegation gives objects a chance to coordinate their appearance and state with changes occurring elsewhere in a program, changes usually brought about by user actions. More importantly, delegation makes it possible for one object to alter the behavior of another object without the need to inherit from it. The delegate is almost always one of your custom objects, and by definition it incorporates application-specific logic that the generic and delegating object cannot possibly know itself.

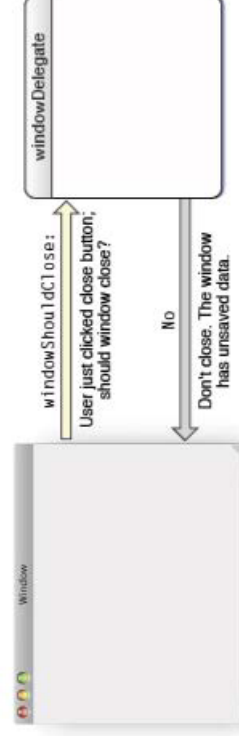
### How Delegation Works

The design of the delegation mechanism is simple (Figure 5-1). The delegating class has an outlet or property, usually one that is named `delegate`; if it is an outlet, it includes methods for setting and accessing the value of the outlet. It also declares, without implementing, one or more methods that constitute a formal protocol or an informal protocol. A formal protocol that uses optional methods—a feature of Objective-C 2.0—is the preferred approach, but both kinds of protocols are used by the Cocoa frameworks for delegation.

In the informal protocol approach, the delegating class declares methods on a category of `NSObject`, and the delegate implements only those methods in which it has an interest in coordinating itself with the delegating object or affecting that object's default behavior. If the delegating class declares a formal protocol, the delegate may choose to implement those methods marked optional, but it must implement the required ones.

Delegation follows a common design, illustrated by Figure 5-1.

Figure 5-1 The mechanism of delegation



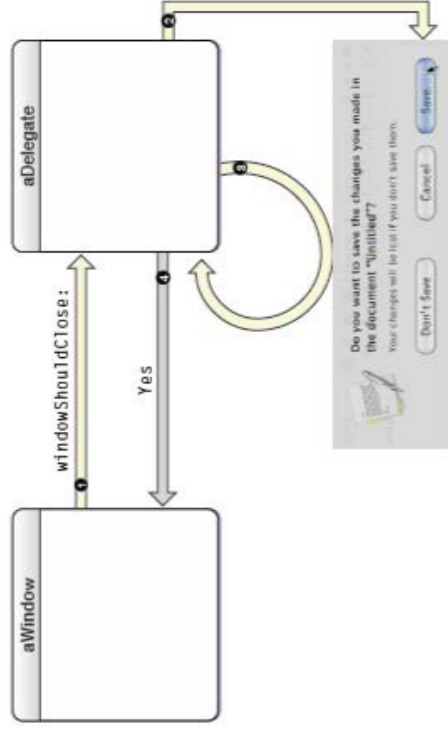
Element

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The methods of the protocol mark significant events handled or anticipated by the delegating object. This object wants either to communicate these events to the delegate or, for impending events, to request input or approval from the delegate. For example, when a user clicks the close button of a window in OS X, the window object sends the `windowShouldClose:` message to its delegate; this gives the delegate the opportunity to veto or defer the closing of the window if, for example, the window has associated data that must be saved (see Figure 5-2).

Figure 5-2 A more realistic sequence involving a delegate



The delegating object sends a message only if the delegate implements the method. It makes this discovery by invoking the `NSObject` method `respondsToSelector:` in the delegate first.

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### The Form of Delegation Messages

Delegation methods have a conventional form. They begin with the name of the AppKit or UIKit object doing the delegating—application, window, control, and so on; this name is in lower-case and without the “NS” or “UI” prefix. Usually (but not always) this object name is followed by an auxiliary verb indicative of the temporal status of the reported event. This verb, in other words, indicates whether the event is about to occur (“Should” or “Will”) or whether it has just occurred (“Did” or “Has”). This temporal distinction helps to categorize those messages that expect a return value and those that don’t. Listing 5-1 includes a few AppKit delegation methods that expect a return value.

Listing 5-1 Sample delegation methods with return values

```
- (BOOL)application:(NSApplication *)sender  
    openFile:(NSString *)filename;           // NSApplication  
  
- (BOOL)application:(UIApplication *)application  
    handleOpenURL:(NSURL *)url;           // UIApplicationDelegate  
  
- (UITableViewCell *)tableView:(NSTableView *)tableView  
    willSelectRows:(UITableViewIndexSet *)selection; // UITableViewDelegate  
  
- (NSRect>windowWillUseStandardFrame:(NSWindow *)window  
    defaultFrame:(NSRect)newFrame;       // NSWindow
```

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	<p style="text-align: center;"><b>iOS-Compatible Devices</b></p> <p>The delegate that implements these methods can block the impending event (by returning NO in the first two methods) or alter a suggested value (the index set and the frame rectangle in the last two methods). It can even defer an impending event; for example, the delegate implementing the applicationShouldTerminate: method can delay application termination by returning NSTerminateLater.</p> <p>Other delegation methods are invoked by messages that don't expect a return value and so are typed to return void. These messages are purely informational, and the method names often contain "Did", "Will", or some other indication of a transpired or impending event. Listing 5-2 shows a few examples of these kinds of delegation method.</p> <p>Listing 5-2 Sample delegation methods returning void</p> <pre> - (void) tableView:(NSTableView*)tableView   mouseDownInHeaderOfTableColumn:(NSTableColumn *)tableColumn; // NSTableView - (void) windowDidMove:(NSNotification *)notification; // NSWindow - (void) application:(UIApplication *)application   willChangeStatusBarFrame:(CGRect)newStatusBarFrame; //   UIApplication - (void) applicationWillBecomeActive:(NSNotification *)notification; //   UIApplication </pre> <p>There are a couple of things to note about this last group of methods. The first is that an auxiliary verb of "Will" (as in the third method) does not necessarily mean that a return value is expected. In this case, the event is imminent and cannot be blocked, but the message gives the delegate an opportunity to prepare the program for the event.</p> <p>The other point of interest concerns the second and last method declarations in Listing 5-2. The sole parameter of each of these methods is an <code>NSNotification</code> object, which means that these methods are invoked as the result of the posting of a particular notification. For example, the <code>windowDidMove:</code> method is associated with the <code>NSNotification</code> <code>NSNotification</code>. The section "Notifications" (page 227) discusses notifications in detail, but here it's important to understand the relationship of notifications to delegation messages in <code>UIKit</code>. The delegating object automatically makes its delegate an observer of all notifications it posts. All the delegate needs to do is implement the associated method to get the notification.</p> <p>To make an instance of your custom class the delegate of an <code>UIKit</code> object, simply connect the instance to the delegate outlet or property in <code>Interface Builder</code>. Or you can set it programmatically through the delegating object's <code>setDelegate:</code> method or <code>delegate</code> property, preferably early on, such as in the <code>awakeFromNib</code> or <code>applicationDidFinishLaunching:</code> method.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Delegation and the Cocoa Application Frameworks</b></p> <p>The delegating object in a Cocoa application is often a responder object such as a <code>UIApplication</code>, <code>NSWindow</code>, or <code>NSTableView</code> object. The delegate object itself is typically, but not necessarily, an object, often a custom object, that controls some part of the application (that is, a coordinating controller object). The following AppKit classes define a delegate:</p> <ul style="list-style-type: none"> <li>• <code>NSApplication</code></li> <li>• <code>NSBrowser</code></li> <li>• <code>NSControl</code></li> <li>• <code>NSDrawer</code></li> <li>• <code>NSFontManager</code></li> <li>• <code>NSFontPanel</code></li> <li>• <code>NSMatrix</code></li> <li>• <code>NSOutlineView</code></li> <li>• <code>NSplitView</code></li> <li>• <code>NSTableView</code></li> <li>• <code>NSTabView</code></li> <li>• <code>NSText</code></li> <li>• <code>NSTextField</code></li> <li>• <code>NSTextView</code></li> <li>• <code>NSWindow</code></li> </ul> <p>The UIKit framework also uses delegation extensively and always implements it using formal protocols. The application delegate is extremely important in an application running in iOS because it must respond to <code>application-launch</code>, <code>application-quit</code>, <code>low-memory</code>, and other messages from the application object. The application delegate must adopt the <code>UIApplicationDelegate</code> protocol.</p> <p>Delegating objects do not (and should not) retain their delegates. However, clients of delegating objects (applications, usually) are responsible for ensuring that their delegates are around to receive delegation messages. To do this, they may have to retain the delegate in memory-managed code. This precaution applies equally to data sources, notification observers, and targets of action messages. Note that in a garbage-collection environment, the reference to the delegate is strong because the retain-cycle problem does not apply.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>Some AppKit classes have a more restricted type of delegate called a <i>modal delegate</i>. Objects of these classes (NSOpenPane 1, for example) run modal dialogs that invoke a handler method in the designated delegate when the user clicks the dialog's OK button. Modal delegates are limited in scope to the operation of the modal dialog.</p> <p>The existence of delegates has other programmatic uses. For example, with delegates it is easy for two coordinating controllers in the same program to find and communicate with each other. For example, the object controlling the application overall can find the controller of the application's inspector window (assuming it's the current key window) using code similar to the following:</p> <pre>id winController = [[NSApp keyWindow] delegate];</pre> <p>And your code can find the application-controller object—by definition, the delegate of the global application instance—by doing something similar to the following:</p> <pre>id appController = [NSApp delegate];</pre> <p>(EV0002204-08.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
11	The apparatus of claim 1 or 2, wherein the gateway includes means	Each iOS-Compatible Device infringes claim 1 and claim 2 ( <i>see above</i> .) In addition, with respect to both claims 1 and 2, the gateway includes means for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with the container.</p>	<p>the container.</p> <p>For example, iOS Delegates have gateways that gather information by recording register information from other containers, systems, or processes that interact with the Delegates:</p> <p><b>Delegates and Data Sources</b></p> <p>A delegate is an object that acts on behalf of, or in coordination with, another object when that object encounters an event in a program. The delegating object is often a responder object—that is, an object inheriting from <code>NSResponder</code> in AppKit or <code>UIResponder</code> in UIKit—that is responding to a user event. The delegate is an object that is delegated control of the user interface for that event, or is at least asked to interpret the event in an application-specific manner.</p> <p>To better appreciate the value of delegation, it helps to consider an off-the-shelf Cocoa object such as a text field (an instance of <code>NSTextField</code> or <code>UITextField</code>) or a table view (an instance of <code>NSTableView</code> or <code>UITableView</code>). These objects are designed to fulfill a specific role in a generic fashion; a window object in the AppKit framework, for example, responds to mouse manipulations of its controls and handles such things as closing, resizing, and moving the physical window. This restricted and generic behavior necessarily limits what the object can know about how an event affects (or will affect) something elsewhere in the application, especially when the affected behavior is specific to your application. Delegation provides a way for your custom object to communicate application-specific behavior to the off-the-shelf object.</p>



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The programming mechanism of delegation gives objects a chance to coordinate their appearance and state with changes occurring elsewhere in a program, changes usually brought about by user actions. More importantly, delegation makes it possible for one object to alter the behavior of another object without the need to inherit from it. The delegate is almost always one of your custom objects, and by definition it incorporates application-specific logic that the generic and delegating object cannot possibly know itself.

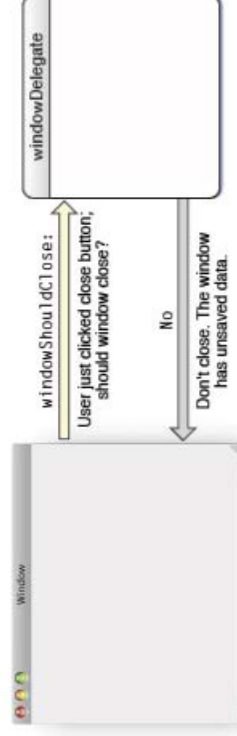
### How Delegation Works

The design of the delegation mechanism is simple (Figure 5-1). The delegating class has an outlet or property, usually one that is named `delegate`; if it is an outlet, it includes methods for setting and accessing the value of the outlet. It also declares, without implementing, one or more methods that constitute a formal protocol or an informal protocol. A formal protocol that uses optional methods—a feature of Objective-C 2.0—is the preferred approach, but both kinds of protocols are used by the Cocoa frameworks for delegation.

In the informal protocol approach, the delegating class declares methods on a category of `NSObject`, and the delegate implements only those methods in which it has an interest in coordinating itself with the delegating object or affecting that object's default behavior. If the delegating class declares a formal protocol, the delegate may choose to implement those methods marked optional, but it must implement the required ones.

Delegation follows a common design, illustrated by Figure 5-1.

Figure 5-1 The mechanism of delegation



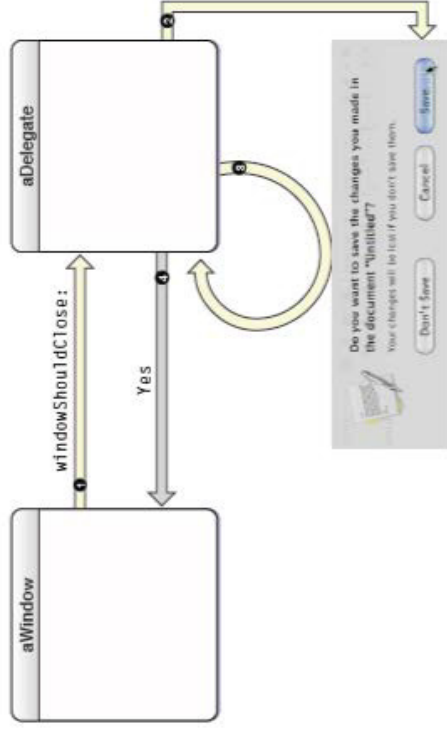
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The methods of the protocol mark significant events handled or anticipated by the delegating object. This object wants either to communicate these events to the delegate or, for impending events, to request input or approval from the delegate. For example, when a user clicks the close button of a window in OS X, the window object sends the `windowShouldClose:` message to its delegate; this gives the delegate the opportunity to veto or defer the closing of the window if, for example, the window has associated data that must be saved (see Figure 5-2).

Figure 5-2 A more realistic sequence involving a delegate



The delegating object sends a message only if the delegate implements the method. It makes this discovery by invoking the `NSObject` method `respondsToSelector:` in the delegate first.

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<p><b>The Form of Delegation Messages</b></p> <p>Delegation methods have a conventional form. They begin with the name of the AppKit or UIKit object doing the delegating—application, window, control, and so on; this name is in lower-case and without the “NS” or “UI” prefix. Usually (but not always) this object name is followed by an auxiliary verb indicative of the temporal status of the reported event. This verb, in other words, indicates whether the event is about to occur (“Should” or “Will”) or whether it has just occurred (“Did” or “Has”). This temporal distinction helps to categorize those messages that expect a return value and those that don’t. Listing 5-1 includes a few AppKit delegation methods that expect a return value.</p> <p>Listing 5-1 Sample delegation methods with return values</p> <pre> - (BOOL)application:(NSApplication *)sender   openFile:(NSString *)filename;           // NSApplication - (BOOL)application:(UIApplication *)application   handleOpenURL:(NSURL *)url;           // UIApplicationDelegate - (UITableViewIndexSet *)tableView:(NSTableView *)tableView   willSelectRows:(UITableViewIndexSet *)selection; // UITableViewDelegate - (NSRect&gt;windowWillUseStandardFrame:(NSWindow *)window   defaultFrame:(NSRect)newFrame;       // NSWindow </pre>		

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The delegate that implements these methods can block the impending event (by returning NO in the first two methods) or alter a suggested value (the index set and the frame rectangle in the last two methods). It can even defer an impending event; for example, the delegate implementing the applicationShouldTerminate: method can delay application termination by returning NSTerminateLater.

Other delegation methods are invoked by messages that don't expect a return value and so are typed to return void. These messages are purely informational, and the method names often contain "Did", "Will", or some other indication of a transpired or impending event. Listing 5-2 shows a few examples of these kinds of delegation method.

Listing 5-2 Sample delegation methods returning void

```
- (void) tableView:(NSTableView*)tableView  
  mouseDownInHeaderOfTableColumn:(NSTableColumn *)tableColumn; // NSTableView  
- (void)windowDidMove:(NSNotification *)notification; // NSWindow  
- (void)application:(UIApplication *)application  
  willChangeStatusBarFrame:(CGRect)newStatusBarFrame; //  
  UIApplication  
- (void)applicationWillBecomeActive:(NSNotification *)notification; //  
  UIApplication
```

There are a couple of things to note about this last group of methods. The first is that an auxiliary verb of "Will" (as in the third method) does not necessarily mean that a return value is expected. In this case, the event is imminent and cannot be blocked, but the message gives the delegate an opportunity to prepare the program for the event.

The other point of interest concerns the second and last method declarations in Listing 5-2. The sole parameter of each of these methods is an `NSNotification` object, which means that these methods are invoked as the result of the posting of a particular notification. For example, the `windowDidMove:` method is associated with the `NSNotification` `NSNotification`. The section "Notifications" (page 227) discusses notifications in detail, but here it's important to understand the relationship of notifications to delegation messages in `UIKit`. The delegating object automatically makes its delegate an observer of all notifications it posts. All the delegate needs to do is implement the associated method to get the notification.

To make an instance of your custom class the delegate of an `UIKit` object, simply connect the instance to the `delegate` outlet or property in `Interface Builder`. Or you can set it programmatically through the delegating object's `setDelegate:` method or `delegate` property, preferably early on, such as in the `awakeFromNib` or `applicationDidFinishLaunching:` method.

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
<p><b>Delegation and the Cocoa Application Frameworks</b></p> <p>The delegating object in a Cocoa application is often a responder object such as a <code>UIApplication</code>, <code>NSWindow</code>, or <code>NSTableView</code> object. The delegate object itself is typically, but not necessarily, an object, often a custom object, that controls some part of the application (that is, a coordinating controller object). The following AppKit classes define a delegate:</p> <ul style="list-style-type: none"> <li>• <code>NSApplication</code></li> <li>• <code>NSBrowser</code></li> <li>• <code>NSControl</code></li> <li>• <code>NSDrawer</code></li> <li>• <code>NSFontManager</code></li> <li>• <code>NSFontPanel</code></li> <li>• <code>NSMatrix</code></li> <li>• <code>NSOutlineView</code></li> <li>• <code>NSplitView</code></li> <li>• <code>NSTableView</code></li> <li>• <code>NSTabView</code></li> <li>• <code>NSText</code></li> <li>• <code>NSTextField</code></li> <li>• <code>NSTextView</code></li> <li>• <code>NSWindow</code></li> </ul> <p>The UIKit framework also uses delegation extensively and always implements it using formal protocols. The application delegate is extremely important in an application running in iOS because it must respond to <code>application-launch</code>, <code>application-quit</code>, <code>low-memory</code>, and other messages from the application object. The application delegate must adopt the <code>UIApplicationDelegate</code> protocol.</p> <p>Delegating objects do not (and should not) retain their delegates. However, clients of delegating objects (applications, usually) are responsible for ensuring that their delegates are around to receive delegation messages. To do this, they may have to retain the delegate in memory-managed code. This precaution applies equally to data sources, notification observers, and targets of action messages. Note that in a garbage-collection environment, the reference to the delegate is strong because the retain-cycle problem does not apply.</p>		

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>Some AppKit classes have a more restricted type of delegate called a <i>modal delegate</i>. Objects of these classes (NSOpenPane 1, for example) run modal dialogs that invoke a handler method in the designated delegate when the user clicks the dialog's OK button. Modal delegates are limited in scope to the operation of the modal dialog.</p> <p>The existence of delegates has other programmatic uses. For example, with delegates it is easy for two coordinating controllers in the same program to find and communicate with each other. For example, the object controlling the application overall can find the controller of the application's inspector window (assuming it's the current key window) using code similar to the following:</p> <pre>id winController = [[NSApp keyWindow] delegate];</pre> <p>And your code can find the application-controller object—by definition, the delegate of the global application instance—by doing something similar to the following:</p> <pre>id appController = [NSApp delegate];</pre> <p>(EV0002204-08.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
12	The apparatus of claim 1 or 2, wherein the gateway includes means	Each iOS-Compatible Device infringes claim 1 and claim 2 ( <i>see above</i> .) In addition, with respect to both claims 1 and 2, the gateway includes means for reporting information, the means for reporting information by providing register information to other containers, systems or processes that interact with

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>for reporting information, the means for reporting information providing register information to other containers, systems or processes that interact with the container.</p>	<p>the container.</p> <p>For example, gateways of the iOS Delegates include means for reporting information by providing register information to other containers, systems or processes that interact with the Delegates:</p> <p><b>Delegates and Data Sources</b></p> <p>A delegate is an object that acts on behalf of, or in coordination with, another object when that object encounters an event in a program. The delegating object is often a responder object—that is, an object inheriting from <code>NSResponder</code> in AppKit or <code>UIResponder</code> in UIKit—that is responding to a user event. The delegate is an object that is delegated control of the user interface for that event, or is at least asked to interpret the event in an application-specific manner.</p> <p>To better appreciate the value of delegation, it helps to consider an off-the-shelf Cocoa object such as a text field (an instance of <code>NSTextField</code> or <code>UITextField</code>) or a table view (an instance of <code>NSTableView</code> or <code>UITableView</code>). These objects are designed to fulfill a specific role in a generic fashion; a window object in the AppKit framework, for example, responds to mouse manipulations of its controls and handles such things as closing, resizing, and moving the physical window. This restricted and generic behavior necessarily limits what the object can know about how an event affects (or will affect) something elsewhere in the application, especially when the affected behavior is specific to your application. Delegation provides a way for your custom object to communicate application-specific behavior to the off-the-shelf object.</p>

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The programming mechanism of delegation gives objects a chance to coordinate their appearance and state with changes occurring elsewhere in a program, changes usually brought about by user actions. More importantly, delegation makes it possible for one object to alter the behavior of another object without the need to inherit from it. The delegate is almost always one of your custom objects, and by definition it incorporates application-specific logic that the generic and delegating object cannot possibly know itself.

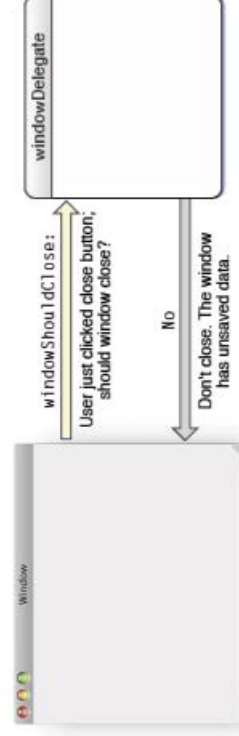
### How Delegation Works

The design of the delegation mechanism is simple (Figure 5-1). The delegating class has an outlet or property, usually one that is named `delegate`; if it is an outlet, it includes methods for setting and accessing the value of the outlet. It also declares, without implementing, one or more methods that constitute a formal protocol or an informal protocol. A formal protocol that uses optional methods—a feature of Objective-C 2.0—is the preferred approach, but both kinds of protocols are used by the Cocoa frameworks for delegation.

In the informal protocol approach, the delegating class declares methods on a category of `NSObject`, and the delegate implements only those methods in which it has an interest in coordinating itself with the delegating object or affecting that object's default behavior. If the delegating class declares a formal protocol, the delegate may choose to implement those methods marked optional, but it must implement the required ones.

Delegation follows a common design, illustrated by Figure 5-1.

Figure 5-1 The mechanism of delegation





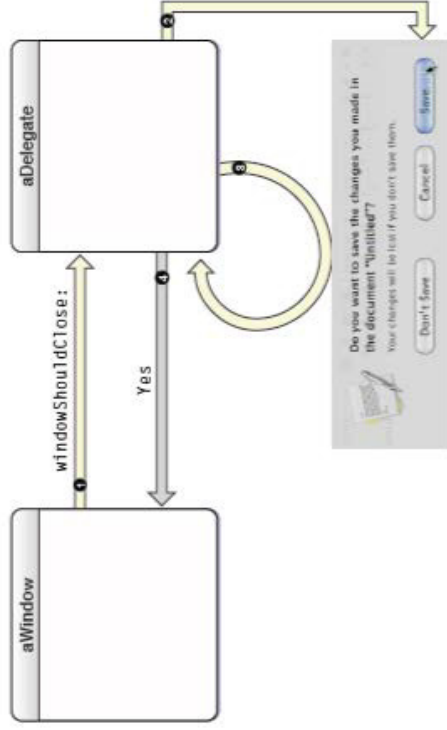
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The methods of the protocol mark significant events handled or anticipated by the delegating object. This object wants either to communicate these events to the delegate or, for impending events, to request input or approval from the delegate. For example, when a user clicks the close button of a window in OS X, the window object sends the `windowShouldClose:` message to its delegate; this gives the delegate the opportunity to veto or defer the closing of the window if, for example, the window has associated data that must be saved (see Figure 5-2).

Figure 5-2 A more realistic sequence involving a delegate



The delegating object sends a message only if the delegate implements the method. It makes this discovery by invoking the `NSObject` method `respondsToSelector:` in the delegate first.

### The Form of Delegation Messages

Delegation methods have a conventional form. They begin with the name of the AppKit or UIKit object doing the delegating—application, window, control, and so on; this name is in lower-case and without the “NS” or “UI” prefix. Usually (but not always) this object name is followed by an auxiliary verb indicative of the temporal status of the reported event. This verb, in other words, indicates whether the event is about to occur (“Should” or “Will”) or whether it has just occurred (“Did” or “Has”). This temporal distinction helps to categorize those messages that expect a return value and those that don’t. Listing 5-1 includes a few AppKit delegation methods that expect a return value.

Listing 5-1 Sample delegation methods with return values

```

- (BOOL)application:(NSApplication *)sender
  openFile:(NSString *)filename;           // NSApplication
- (BOOL)application:(UIApplication *)application
  handleOpenURL:(NSURL *)url;           // UIApplicationDelegate
- (UITableViewIndexSet *)tableView:(NSTableView *)tableView
  willSelectRows:(UITableViewIndexSet *)selection; // UITableViewDelegate
- (NSRect>windowWillUseStandardFrame:(NSWindow *)window
  defaultFrame:(NSRect)newFrame;       // NSWindow

```

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The delegate that implements these methods can block the impending event (by returning NO in the first two methods) or alter a suggested value (the index set and the frame rectangle in the last two methods). It can even defer an impending event; for example, the delegate implementing the `applicationShouldTerminate:` method can delay application termination by returning `NSTerminateLater`.

Other delegation methods are invoked by messages that don't expect a return value and so are typed to return void. These messages are purely informational, and the method names often contain "Did", "Will", or some other indication of a transpired or impending event. Listing 5-2 shows a few examples of these kinds of delegation method.

Listing 5-2 Sample delegation methods returning void

```
- (void) tableView:(NSTableView*)tableView  
  mouseDownInHeaderOfTableColumn:(NSTableColumn *)tableColumn; // NSTableView  
- (void)windowDidMove:(NSNotification *)notification; // NSWindow  
- (void)application:(UIApplication *)application  
  willChangeStatusBarFrame:(CGRect)newStatusBarFrame; //  
  UIApplication  
- (void)applicationWillBecomeActive:(NSNotification *)notification; //  
  UIApplication
```

There are a couple of things to note about this last group of methods. The first is that an auxiliary verb of "Will" (as in the third method) does not necessarily mean that a return value is expected. In this case, the event is imminent and cannot be blocked, but the message gives the delegate an opportunity to prepare the program for the event.

The other point of interest concerns the second and last method declarations in Listing 5-2. The sole parameter of each of these methods is an `NSNotification` object, which means that these methods are invoked as the result of the posting of a particular notification. For example, the `windowDidMove:` method is associated with the `NSNotification` `NSNotification`. The section "Notifications" (page 227) discusses notifications in detail, but here it's important to understand the relationship of notifications to delegation messages in AppKit. The delegating object automatically makes its delegate an observer of all notifications it posts. All the delegate needs to do is implement the associated method to get the notification.

To make an instance of your custom class the delegate of an AppKit object, simply connect the instance to the `delegate` outlet or property in Interface Builder. Or you can set it programmatically through the delegating object's `setDelegate:` method or `delegate` property, preferably early on, such as in the `awakeFromNib` or `applicationDidFinishLaunching:` method.

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
<p><b>Delegation and the Cocoa Application Frameworks</b></p> <p>The delegating object in a Cocoa application is often a responder object such as a <code>UIApplication</code>, <code>NSWindow</code>, or <code>NSTableView</code> object. The delegate object itself is typically, but not necessarily, an object, often a custom object, that controls some part of the application (that is, a coordinating controller object). The following AppKit classes define a delegate:</p> <ul style="list-style-type: none"> <li>• <code>NSApplication</code></li> <li>• <code>NSBrowser</code></li> <li>• <code>NSControl</code></li> <li>• <code>NSDrawer</code></li> <li>• <code>NSFontManager</code></li> <li>• <code>NSFontPanel</code></li> <li>• <code>NSMatrix</code></li> <li>• <code>NSOutlineView</code></li> <li>• <code>NSSplitView</code></li> <li>• <code>NSTableView</code></li> <li>• <code>NSTabView</code></li> <li>• <code>NSText</code></li> <li>• <code>NSTextField</code></li> <li>• <code>NSTextView</code></li> <li>• <code>NSWindow</code></li> </ul> <p>The UIKit framework also uses delegation extensively and always implements it using formal protocols. The application delegate is extremely important in an application running in iOS because it must respond to <code>application-launch</code>, <code>application-quit</code>, <code>low-memory</code>, and other messages from the application object. The application delegate must adopt the <code>UIApplicationDelegate</code> protocol.</p> <p>Delegating objects do not (and should not) retain their delegates. However, clients of delegating objects (applications, usually) are responsible for ensuring that their delegates are around to receive delegation messages. To do this, they may have to retain the delegate in memory-managed code. This precaution applies equally to data sources, notification observers, and targets of action messages. Note that in a garbage-collection environment, the reference to the delegate is strong because the retain-cycle problem does not apply.</p>		

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>Some AppKit classes have a more restricted type of delegate called a <i>modal delegate</i>. Objects of these classes (NSOpenPane 1, for example) run modal dialogs that invoke a handler method in the designated delegate when the user clicks the dialog's OK button. Modal delegates are limited in scope to the operation of the modal dialog.</p> <p>The existence of delegates has other programmatic uses. For example, with delegates it is easy for two coordinating controllers in the same program to find and communicate with each other. For example, the object controlling the application overall can find the controller of the application's inspector window (assuming it's the current key window) using code similar to the following:</p> <pre>id winController = [[NSApp keyWindow] delegate];</pre> <p>And your code can find the application-controller object—by definition, the delegate of the global application instance—by doing something similar to the following:</p> <pre>id appController = [NSApp delegate];</pre> <p>(EV0002204-08.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
13	13. The apparatus of claim 1 or 2, wherein the gateway includes an	Each iOS-Compatible Device infringes claim 1 and claim 2 ( <i>see above</i> .) In addition, on information and belief, the gateway includes an expert system including rules defining the interaction of the container with other containers, systems or processes.

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	<p>expert system including rules defining the interaction of the container with other containers, systems or processes.</p>	<p>In particular, on information and belief, Apple's SIRI has at least one gateway with at least one expert system with rules defining the interaction of the container with other containers, systems or processes in order to process and interpret spoken words of a user, to choose an appropriate response to those spoken words, and to cause the appropriate response to be communicated to the user.</p> <p>It is believed that gateways with expert systems are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
14	<p>14. The apparatus of claim 1 or 2, wherein the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p>	<p>Each iOS-Compatible Device infringes claim 1 and claim 2 (see above). In addition, with respect to both claims 1 and 2, the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p> <p>For example, the containers below include information elements that are at least text (e.g., word(s)), digital patterns (e.g., unique identifiers; dates), bits (e.g., booleans), natural numbers (e.g., integers), and processes and systems (e.g., delegates):</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Properties</b></p> <p><b>allDay</b> A Boolean value that indicates whether the event is an all-day event. @property(nonatomic, getter=isAllDay) BOOL allDay</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>availability</b> The availability setting for the event. @property(nonatomic) EKEventAvailability availability</p> <p><b>Discussion</b> This setting is used by CalDAV and Exchange servers to indicate how the event should be treated for scheduling purposes. If the event's calendar does not support availability settings, this property's value is EKEventAvailabilityNotSupported.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>See Also</b></p> <p><a href="#">EKEventAvailability</a></p> <p><b>Declared In</b></p> <p><a href="#">EKEvent.h</a></p> <p><b>birthdayPersonID</b></p> <p>The Address Book framework record identifier of the person for this birthday event. (read-only)</p> <p><code>@property(nonatomic, readonly) NSInteger birthdayPersonID</code></p> <p><b>Discussion</b></p> <p>This property is only set if this is a birthday event; otherwise the property is nil.</p> <p><b>Special Considerations</b></p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Note:</b> This property is equivalent to the <code>birthdayPersonUniqueID</code> property on OS X.</p> </div> <p><b>Availability</b></p> <p>Available in iOS 5.0 and later.</p> <p><b>Declared In</b></p> <p><a href="#">EKEvent.h</a></p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>endDate</b></p> <p>The end date for the event.</p> <p>@property(nonatomic, copy) NSDate *endDate</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>eventIdentifier</b></p> <p>A unique identifier for the event. (read-only)</p> <p>@property(nonatomic, readonly) NSString *eventIdentifier</p> <p><b>Discussion</b> You can use this identifier to look up an event with the EKEventStore method <code>eventWithIdentifier:</code>.</p> <p>If the calendar of an event changes, its identifier most likely changes as well.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>isDetached</b></p> <p>A Boolean value that indicates whether an event is a detached instance of a repeating event. (read-only)</p> <p>@property(nonatomic, readonly) BOOL isDetached</p> <p><b>Discussion</b> This value is YES if and only if the event is part of a repeating event and one or more of its attributes have been modified from the repeating event's default attributes.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p> <p><b>organizer</b></p> <p>The organizer associated with the event. (read-only)</p> <p>@property(nonatomic, readonly) EKParticipant *organizer</p> <p><b>Discussion</b> This property is nil if the event has no organizer.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKEvent.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDate</b></p> <p>The start date of the event.</p> <p>@property(nonatomic, copy) NSDate *startDate</p> <p><b>Discussion</b></p> <p>Floating events such as all-day events are returned in the default time zone.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <p><b>status</b></p> <p>The status of the event. (read-only)</p> <p>@property(nonatomic, readonly) EKEventStatus status</p> <p><b>Discussion</b></p> <p>You should act based on an event's status only if the status is <code>EKEventStatusCanceled</code>, which indicates that the event has been canceled. Other statuses should be considered informational.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>See Also</b></p> <p><a href="#">EKEventStatus</a></p> <p><b>Declared In</b></p> <p>EKEvent.h</p> <hr/> <p>(EV0001424-26.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>completed</b></p> <p>A Boolean value determining whether or not the reminder is marked completed.</p> <p>@property(nonatomic, getter=isCompleted) BOOL completed</p> <p><b>Discussion</b> Setting this property to YES will set completionDate to the current date; setting this property to NO will set completionDate to nil.</p> <p><b>Special Considerations</b> If the reminder was completed using a different client, you may encounter the case where this property is YES, but completionDate is nil.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKReminder.h</p> <p><b>completionDate</b></p> <p>The date on which the reminder was completed.</p> <p>@property(nonatomic, copy) NSDate *completionDate</p> <p><b>Discussion</b> Setting this property to a date will set completed to YES; setting this property to nil will set completed to NO.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Declared In</b> EKReminder.h</p> <p><b>dueDateComponents</b></p> <p>The date by which the reminder should be completed.</p> <p>@property(nonaatomic, copy) NSDateComponents *dueDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the due date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to NSGregorianCalendar; otherwise an exception is raised.</p> <p>This component's timeZone property is independent of time zone properties on startDateComponents and its super EKCalendarItem object. By default, the due date is set to the system time zone.</p> <p><b>Special Considerations</b></p> <p>On iOS, Event Kit requires that a start date is set if the due date is set, however this is not a requirement on OS X.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>Declared In</b> EKReminder.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>startDateComponents</b></p> <p>The start date of the task.</p> <p>@property(nonatomic, copy) NSDateComponents *startDateComponents</p> <p><b>Discussion</b></p> <p>The use of date components allows the start date and its time zone to be represented in a single property. A nil time zone represents a floating date. Setting a date component without an hour, minute and second component will set the reminder to be an all-day reminder. If this property is set, the calendar must be set to <code>NSGregorianCalendar</code>; otherwise an exception is raised.</p> <p>The start date components' <code>timeZone</code> property corresponds to the <code>timeZone</code> property on <code>EKCalendarItem</code>. A change in one value will cause a change in the other. Setting the time zone directly on the components does not guarantee that your changes will be saved; instead, pull this property from the reminder, set the time zone on it, and assign it back to the reminder:</p> <pre>NSDateComponents *start = myEKReminder.startDateComponents; start.timeZone = myNSTimeZone; myEKReminder.startDateComponents = start;</pre> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared In</b> <code>EKReminder.h</code></p> <p>(EV0001431-33.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Properties</b></p> <p><b>absoluteDate</b> The absolute date for the alarm. @property(copy) NSDate *absoluteDate</p> <p><b>Discussion</b> If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared In</b> EKALarm.h</p> <p><b>proximity</b> A value indicating how a location-based alarm is triggered. @property EKAlarmProximity *proximity</p> <p><b>Discussion</b> Alarms can be set to trigger when entering or exiting a location specified by <code>structuredLocation</code>. By default, alarms are not affected by location.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>See Also  <a href="#">EKAlarmProximity</a>  <b>Declared In</b>  <a href="#">EKAlarm.h</a></p> <p><b>relativeOffset</b>  The offset from the start of an event, at which the alarm fires.  @property <a href="#">NSTimeInterval</a> relativeOffset</p> <p><b>Discussion</b>  If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.</p> <p><b>Availability</b>  Available in iOS 4.0 and later.</p> <p><b>Declared In</b>  <a href="#">EKAlarm.h</a></p> <p><b>structuredLocation</b>  The location to trigger an alarm.  @property <a href="#">EKStructuredLocation</a> *structuredLocation</p> <p><b>Discussion</b>  This property is used in conjunction with <a href="#">proximity</a> to perform geofence-based triggering of reminders.</p> <p><b>Availability</b>  Available in iOS 6.0 and later.</p> <p><b>Declared In</b>  <a href="#">EKAlarm.h</a>  (EV0001418-20.)</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><i>coordinate</i> (page 5) <i>property</i> The geographical coordinate information. (read-only)</p> <p><i>altitude</i> (page 5) <i>property</i> The altitude measured in meters. (read-only)</p> <p><i>horizontalAccuracy</i> (page 6) <i>property</i> The radius of uncertainty for the location, measured in meters. (read-only)</p> <p><i>verticalAccuracy</i> (page 8) <i>property</i> The accuracy of the altitude value in meters. (read-only)</p> <p><i>timestamp</i> (page 7) <i>property</i> The time at which this location was determined. (read-only)</p> <p>– <i>description</i> (page 9) Returns the location data in a formatted text string.</p> <p>(EV0001513.)</p> <p><b>activityType</b></p> <p><i>The type of user activity associated with the location updates.</i></p> <p>@property(assign, nonatomic) CLLocationType activityType</p> <p><b>Discussion</b> The location manager uses the information in this property as a cue to determine when location updates may be automatically paused. Pausing updates gives the system the opportunity to save power in situations where the user's location is not likely to be changing. For example, if the activity type is <code>CLLocationTypeAutomotiveNavigation</code> (page 29) and no location changes have occurred recently, the radios might be powered down until movement is detected again.</p> <p><b>Availability</b> Available in iOS 6.0 and later.</p> <p><b>Declared in</b> <code>CLLocationManager.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>delegate</b></p> <hr/> <p><i>The delegate object to receive update events.</i></p> <p>@property(assign, nonatomic) id&lt;CLLocationManagerDelegate&gt; delegate</p> <p><b>Special Considerations</b> In iOS, this property is declared as nonatomic. In OS X, it is declared as atomic.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b> LocateMe Regions Teslameter</p> <p><b>Declared in</b> CLLocationManager.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>desiredAccuracy</b></p> <p><i>The accuracy of the location data.</i></p> <p>@property(assign, nonatomic) CLLocationAccuracy desiredAccuracy</p> <p><b>Discussion</b></p> <p>The receiver does its best to achieve the requested accuracy; however, the actual accuracy is not guaranteed.</p> <p>You should assign a value to this property that is appropriate for your usage scenario. In other words, if you need the current location only within a few kilometers, you should not specify <code>kCLLocationAccuracyBest</code> for the accuracy. Determining a location with greater accuracy requires more time and more power.</p> <p>When requesting high-accuracy location data, the initial event delivered by the location service may not have the accuracy you requested. The location service delivers the initial event as quickly as possible. It then continues to determine the location with the accuracy you requested and delivers additional events, as necessary, when that data is available.</p> <p>The default value of this property is <code>kCLLocationAccuracyBest</code>.</p> <p>This property is used only in conjunction with the standard location services and is not used when monitoring significant location changes.</p> <p><b>Special Considerations</b></p> <p>In iOS, this property is declared as <code>nonatomic</code>. In OS X, it is declared as <code>atomic</code>.</p> <p><b>Availability</b></p> <p>Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b></p> <p>LocateMe Regions</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p> <p><b>distanceFilter</b></p> <p><i>The minimum distance (measured in meters) a device must move horizontally before an update event is generated.</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>@property(assign, nonatomic) CLLocationDistance distanceFilter</p> <p><b>Discussion</b> This distance is measured relative to the previously delivered location. Use the value <code>kCLLocationDistanceFilterNone</code> to be notified of all movements. The default value of this property is <code>kCLLocationDistanceFilterNone</code>.</p> <p>This property is used only in conjunction with the standard location services and is not used when monitoring significant location changes.</p> <p><b>Special Considerations</b> In iOS, this property is declared as <code>nonatomic</code>. In OS X, it is declared as <code>atomic</code>.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>Related Sample Code</b> LocateMe Regions</p> <p><b>Declared in</b> <code>CLLocationManager.h</code></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>heading</b></p> <p><i>The most recently reported heading. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDegrees heading</p> <p><b>Discussion</b></p> <p>The value of this property is nil if heading updates have never been initiated.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p> <p><b>headingFilter</b></p> <p><i>The minimum angular change (measured in degrees) required to generate new heading events.</i></p> <p>@property(assign, nonatomic) CLLocationDegrees headingFilter</p> <p><b>Discussion</b></p> <p>The angular distance is measured relative to the last delivered heading event. Use the value kCLLocationFilterNone to be notified of all movements. The default value of this property is 1 degree.</p> <p><b>Availability</b></p> <p>Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b></p> <p>Teslameter</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>headingOrientation</b></p> <p><i>The device orientation to use when computing heading values.</i></p> <p>@property(assign, nonatomic) CLLocationOrientation headingOrientation</p> <p><b>Discussion</b></p> <p>When computing heading values, the location manager assumes that the top of the device in portrait mode represents due north (0 degrees) by default. For applications that run in other orientations, this may not always be the most convenient orientation. This property allows you to specify which device orientation you want the location manager to use as the reference point for due north.</p> <p>Although you can set the value of this property to <code>CLLocationOrientationUnknown</code>, <code>CLLocationOrientationFaceUp</code>, or <code>CLLocationOrientationFaceDown</code>, doing so has no effect on the orientation reference point. The original reference point is retained instead.</p> <p>Changing the value in this property affects only those heading values reported after the change is made.</p> <p><b>Availability</b></p> <p>Available in iOS 4.0 and later.</p> <p><b>Declared in</b></p> <p><code>CLLocationManager.h</code></p> <p><b>location</b></p> <p><i>The most recently retrieved user location. (read-only)</i></p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p><code>@property(readonly, nonatomic) CLLocation *location</code></p> <p><b>Discussion</b> The value of this property is <code>nil</code> if no location data has ever been retrieved.</p> <p>In iOS 4.0 and later, this property may contain a more recent location object at launch time. Specifically, if significant location updates are running and your application is terminated, this property is updated with the most recent location data when your application is relaunched (and you create a new location manager object). This location data may be more recent than the last location event processed by your application.</p> <p>It is always a good idea to check the timestamp of the location stored in this property. If the receiver is currently gathering location data, but the minimum distance filter is large, the returned location might be relatively old. If it is, you can stop the receiver and start it again to force an update.</p> <p><b>Availability</b> Available in iOS 2.0 and later.</p> <p><b>See Also</b> – <a href="#">startUpdatingLocation</a> (page 25)</p> <p><b>Related Sample Code</b> AVMovieExporter Locations PhotoLocations TaggedLocations</p> <p><b>Declared in</b> CLLocationManager.h</p> <p><b>maximumRegionMonitoringDistance</b></p> <hr/> <p><i>The largest boundary distance that can be assigned to a region. (read-only)</i></p> <p><code>@property(readonly, nonatomic) CLLocationDistance maximumRegionMonitoringDistance</code></p> <p><b>Discussion</b> This property defines the largest boundary distance allowed from a region's center point. Attempting to monitor a region with a distance larger than this value causes the location manager to send a <code>kCLLocationMonitoringFailure</code> error to the delegate.</p> <p>If region monitoring is unavailable or not supported, the value in this property is <code>-1</code>.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p>	

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Declared in</b> CLLocationManager.h</p> <p><b>monitoredRegions</b></p> <p><i>The set of shared regions monitored by all location manager objects. (read-only)</i></p> <p>@property(readonly, nonatomic) NSSet *monitoredRegions</p> <p><b>Discussion</b> You cannot add regions to this property directly. Instead, you must register regions by calling the <code>startMonitoringForRegion:desiredAccuracy:</code> (page 34) method. The regions in this property are shared by all instances of the <code>CLLocationManager</code> class in your application.</p> <p>The objects in this set may not necessarily be the same objects you specified at registration time. Only the region data itself is maintained by the system. Therefore, the only way to uniquely identify a registered region is using its <code>identifier</code> property.</p> <p>The location manager persists region data between launches of your application. If your application is terminated and then relaunched, the contents of this property are repopulated with region objects that contain the previously registered data.</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared in</b> CLLocationManager.h</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>pausesLocationUpdatesAutomatically</b></p> <p>A Boolean value indicating whether the location manager object may pause location updates.</p> <p>@property(assign, nonatomic) BOOL pausesLocationUpdatesAutomatically</p> <p><b>Discussion</b></p> <p>Allowing the location manager to pause updates can improve battery life on the target device without sacrificing location data. When this property is set to YES, the location manager pauses updates (and powers down the appropriate hardware) at times when the location data is unlikely to change. For example, if the user stops for food while using a navigation app, the location manager might pause updates for a period of time. You can help the determination of when to pause location updates by assigning a value to the <code>activityType</code> property.</p> <p>The default value of this property is YES.</p> <p><b>Availability</b></p> <p>Available in iOS 6.0 and later.</p> <p><b>See Also</b></p> <p><a href="#">@property activityType</a> (page 11)</p> <p><b>Declared in</b></p> <p>CLLocationManager.h</p> <p>(EV0001632-38.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><i>name</i> (page 8) <i>property</i> The name of the placemark. (read-only)</p> <p><i>addressDictionary</i> (page 5) <i>property</i> A dictionary containing the Address Book keys and values for the placemark. (read-only)</p> <p><i>ISOcountryCode</i> (page 7) <i>property</i> The abbreviated country name. (read-only)</p> <p><i>country</i> (page 6) <i>property</i> The name of the country associated with the placemark. (read-only)</p> <p><i>postalCode</i> (page 9) <i>property</i> The postal code associated with the placemark. (read-only)</p> <p><i>administrativeArea</i> (page 6) <i>property</i> The state or province associated with the placemark. (read-only)</p> <p><i>subAdministrativeArea</i> (page 10) <i>property</i> Additional administrative area information for the placemark. (read-only)</p> <p><i>locality</i> (page 7) <i>property</i> The city associated with the placemark. (read-only)</p> <p><i>subLocality</i> (page 10) <i>property</i> Additional city-level information for the placemark. (read-only)</p> <p><i>thoroughfare</i> (page 11) <i>property</i> The street address associated with the placemark. (read-only)</p> <p><i>subThoroughfare</i> (page 10) <i>property</i> Additional street-level information for the placemark. (read-only)</p> <p><i>region</i> (page 9) <i>property</i> The geographic region associated with the placemark. (read-only)</p> <p><i>inlandWater</i> (page 7) <i>property</i> The name of the inland water body associated with the placemark. (read-only)</p> <p><i>ocean</i> (page 9) <i>property</i> The name of the ocean associated with the placemark. (read-only)</p> <p><i>areasOfInterest</i> (page 6) <i>property</i> The relevant areas of interest associated with the placemark. (read-only)</p> <p>(EV0001662-63.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>center</b></p> <p><i>The center point of the region. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationCoordinate2D center</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p>Related Sample Code Regions</p> <p><b>Declared in</b> CLRegion.h</p> <p><b>identifier</b></p> <p><i>The identifier for the region object. (read-only)</i></p> <p>@property(readonly, nonatomic) NSString *identifier</p> <p><b>Discussion</b> This is a value that you specify and can use to identify this region inside your application.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Declared in</b> CLRegion.h</p> <p><b>radius</b></p> <hr/> <p><i>The radius (measured in meters) that defines the region's outer boundary. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDistance radius</p> <p><b>Availability</b> Available in iOS 4.0 and later.</p> <p><b>Related Sample Code</b> Regions</p> <p><b>Declared in</b> CLRegion.h</p> <p>(EV0001688.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>headingAccuracy</b></p> <p><i>The maximum deviation (measured in degrees) between the reported heading and the true geomagnetic heading. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDirection headingAccuracy</p> <p><b>Discussion</b></p> <p>A positive value in this property represents the potential error between the value reported by the <code>magneticHeading</code> (page 5) property and the actual direction of magnetic north. Thus, the lower the value of this property, the more accurate the heading. A negative value means that the reported heading is invalid, which can occur when the device is uncalibrated or there is strong interference from local magnetic fields.</p> <p><b>Availability</b></p> <p>Available in iOS 3.0 and later.</p> <p><b>Declared in</b></p> <p>CLHeading.h</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>magneticHeading</b></p> <p><i>The heading (measured in degrees) relative to magnetic north. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDirection magneticHeading</p> <p><b>Discussion</b></p> <p>The value in this property represents the heading relative to the magnetic North Pole, which is different from the geographic North Pole. The value 0 means the device is pointed toward magnetic north, 90 means it is pointed east, 180 means it is pointed south, and so on. The value in this property should always be valid.</p> <p>In iOS 3.x and earlier, the value in this property is always measured relative to the top of the device in a portrait orientation, regardless of the device's actual physical or interface orientation. In iOS 4.0 and later, the value is measured relative to the heading orientation specified by the location manager. For more information, see the <code>headingOrientation</code> property in <code>CLLocationManager Class Reference</code>.</p> <p>If the <code>headingAccuracy</code> property contains a negative value, the value in this property should be considered unreliable.</p> <p><b>Availability</b></p> <p>Available in iOS 3.0 and later.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p>See Also  <a href="#">@property headingAccuracy</a> (page 5)  <a href="#">@property trueHeading</a> (page 6)</p> <p><b>Declared in</b>  CLHeading.h</p> <p><b>timestamp</b></p> <hr/> <p><i>The time at which this heading was determined. (read-only)</i></p> <p>@property(readonly, nonatomic) NSDate *timestamp</p> <p><b>Availability</b>  Available in iOS 3.0 and later.</p> <p><b>Declared in</b>  CLHeading.h</p> <p><b>trueHeading</b></p> <hr/> <p><i>The heading (measured in degrees) relative to true north. (read-only)</i></p> <p>@property(readonly, nonatomic) CLLocationDirection trueHeading</p> <p><b>Discussion</b>  The value in this property represents the heading relative to the geographic North Pole. The value 0 means the device is pointed toward true north, 90 means it is pointed due east, 180 means it is pointed due south, and so on. A negative value indicates that the heading could not be determined.</p> <p>In iOS 3.x and earlier, the value in this property is always measured relative to the top of the device in a portrait orientation, regardless of the device's actual physical or interface orientation. In iOS 4.0 and later, the value is measured relative to the heading orientation specified by the location manager. For more information, see the <code>headingOrientation</code> property in <i>CLLocationManager Class Reference</i>.</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p><b>Important:</b> This property contains a valid value only if location updates are also enabled for the corresponding location manager object. Because the position of true north is different from the position of magnetic north on the Earth's surface, Core Location needs the current location of the device to compute the value of this property.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>See Also</b> <a href="#">@property magneticHeading</a> (page 5)</p> <p><b>Declared in</b> CLHeading.h <b>x</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the x-axis. (read-only)</i> @property(readonly, nonatomic) CLHeadingComponentValue x</p> <p><b>Discussion</b> This value represents the x-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h <b>y</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the y-axis. (read-only)</i> @property(readonly, nonatomic) CLHeadingComponentValue y</p> <p><b>Discussion</b> This value represents the y-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p>	



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
		<p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h</p> <p><b>z</b></p> <hr/> <p><i>The geomagnetic data (measured in microteslas) for the z-axis. (read-only)</i></p> <p>@property(readonly, nonatomic) CLHeadingComponentValue z</p> <p><b>Discussion</b> This value represents the z-axis deviation from the magnetic field lines being tracked by the device.</p> <p><b>Availability</b> Available in iOS 3.0 and later.</p> <p><b>Related Sample Code</b> Teslameter</p> <p><b>Declared in</b> CLHeading.h</p> <p>Publicly available information indicates that information elements are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
15A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each iOS-Compatible Device is an apparatus for transmitting, receiving and manipulating information on a computer system. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>Each iOS-Compatible Device includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the iOS operating system of the iOS-Compatible Devices. The containers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15C	an information element having information;	<p>Each iOS-Compatible Device comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
15D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Publicly available information indicates that information elements are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>
15E	a first register for storing a unique container identification	<p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	value,	<p>herein.)</p> <p>Publicly available information indicates that first registers are used throughout the iOS operating system of the iOS-Compatible Devices. The first registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15F	a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time, and	<p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>(See the discussion presented for claim element 1F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the iOS operating system of the iOS-Compatible Devices. The second registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15G	at least one	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them; and</p>	<p>a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim element 8, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that acquire registers are used throughout the iOS operating system of the iOS-Compatible Devices. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of each iOS-Compatible Device comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
16A	16. An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each iOS-Compatible Device is an apparatus for transmitting, receiving and manipulating information on a computer system. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>Each iOS-Compatible Device includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16C	an information element having information;	<p>Each container of each iOS-Compatible Device comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
16D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Publicly available information indicates that information elements are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of each iOS-Compatible Device comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>
16E	a first register for storing a unique container identification	<p>Publicly available information indicates that registers are used throughout the iOS operating system of the iOS-Compatible Devices. The information elements corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth</p>

Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	value,	<p>herein.)</p> <p>Publicly available information indicates that first registers are used throughout the iOS operating system of the iOS-Compatible Devices. The first registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16F	<p>a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three dimensional space time, and</p>	<p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p> <p>(See the discussion presented for claim element 2F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the iOS operating system of the iOS-Compatible Devices. The second registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16G	at least one	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds</p>



Element	U.S. Patent No. 7,010,536	iOS-Compatible Devices
	<p>acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them; and</p>	<p>a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim element 8, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that acquire registers are used throughout the iOS operating system of the iOS-Compatible Devices. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of each iOS-Compatible Device comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that gateways are used throughout the iOS operating system of the iOS-Compatible Devices. The gateways corresponding to the above evidence are only examples. Other examples are described in the Apple iOS Developer Library documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the iOS operating system, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused</p>

<b>Element</b>	<b>U.S. Patent No.</b> 7,010,536	<b>iOS-Compatible Devices</b>
		instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.

## Exhibit E

### Infringement of U.S. Patent No. 7,010,536 by Twitter, Inc.

Subject to ongoing discovery and investigation, Evolutionary Intelligence identifies the following accused instrumentality of Twitter, Inc.: the Twitter real-time information network product and service (the “Twitter Product.”) As shown below, specific aspects of the Twitter Product’s functionality that infringe the ’536 patent include social networking functionality and advertising functionality.

Evolutionary Intelligence’s identification of this accused instrumentality is based on publicly available information. Evolutionary Intelligence has not yet had any discovery from Twitter. Evolutionary Intelligence reserves its right to seek discovery regarding other products and services offered by Twitter (including other functionality and features of the Twitter Product), and to identify additional accused instrumentalities based on that discovery and further investigation. This is particularly true with respect to the advertising functionality of the Twitter Product, because the publicly available information regarding the advertising functionality, including the Twitter advertising Application Programming Interface (“API”), is very limited.

The discussion in the claim chart below with respect to some of the claim elements occasionally refers to and/or incorporates by reference discussion and evidence pertaining to other claim elements. Such incorporation by reference shall not be read to imply that any two claim elements have the same claim scope. Rather, such incorporation by reference is used when two or more claim elements are sufficiently similar that repeating the relevant discussion and evidence would be unnecessarily cumbersome and redundant.

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(c), that each element of each infringed claim is found within the accused instrumentality as shown below:

Element	U.S. Patent No. 7,010,536	The Twitter Product
1A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>The Twitter Product is an apparatus for transmitting, receiving and manipulating information on a computer system.</p> <p>In particular, the Twitter Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Twitter. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Twitter Product includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>The following container, for example, describes a Twitter user who has posted a status update or "tweet":</p> <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;user&gt;   &lt;id&gt;806062790&lt;/id&gt;   &lt;name&gt;Fannie Mae&lt;/name&gt;   &lt;screen_name&gt;FannieMae6&lt;/screen_name&gt;   &lt;location&gt;&lt;/location&gt;   &lt;profile_image_url&gt;http://...default_profile_1_normal.png&lt;/profile_image_url&gt;   &lt;profile_image_url_https&gt;https://...default_profile_1_normal.png&lt;/profile_image_url_https&gt; &lt;/url&gt;&lt;/url&gt; &lt;description&gt;&lt;/description&gt; &lt;protected&gt;false&lt;/protected&gt; &lt;followers_count&gt;2&lt;/followers_count&gt; &lt;profile_background_color&gt;C0DEED&lt;/profile_background_color&gt; &lt;profile_text_color&gt;333333&lt;/profile_text_color&gt; &lt;profile_link_color&gt;0084B4&lt;/profile_link_color&gt; &lt;profile_sidebar_fill_color&gt;DDEEF6&lt;/profile_sidebar_fill_color&gt;</pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> &lt;profile_sidebar_border_color&gt;C0DEED&lt;/profile_sidebar_border_color&gt; &lt;friends_count&gt;1&lt;/friends_count&gt; &lt;created_at&gt;Thu Sep 06 04:48:37 +0000 2012&lt;/created_at&gt; &lt;favorites_count&gt;0&lt;/favorites_count&gt; &lt;utc_offset&gt;&lt;/utc_offset&gt; &lt;time_zone&gt;&lt;/time_zone&gt; &lt;profile_background_image_url&gt;http://...bg.png&lt;/profile_background_image_url&gt; &lt;profile_background_image_url_https&gt;https://...bg.png&lt;/profile_background_image_url_https&gt; &lt;profile_background_tile&gt;false&lt;/profile_background_tile&gt; &lt;profile_use_background_image&gt;true&lt;/profile_use_background_image&gt; &lt;geo_enabled&gt;true&lt;/geo_enabled&gt; &lt;verified&gt;false&lt;/verified&gt; &lt;statuses_count&gt;1&lt;/statuses_count&gt; &lt;lang&gt;en&lt;/lang&gt; &lt;contributors_enabled&gt;false&lt;/contributors_enabled&gt; &lt;is_translator&gt;false&lt;/is_translator&gt; &lt;listed_count&gt;0&lt;/listed_count&gt; &lt;default_profile&gt;true&lt;/default_profile&gt; &lt;default_profile_image&gt;true&lt;/default_profile_image&gt; &lt;following&gt;&lt;/following&gt; &lt;follow_request_sent&gt;&lt;/follow_request_sent&gt; &lt;notifications&gt;&lt;/notifications&gt; &lt;status&gt; &lt;created_at&gt;Thu Sep 06 05:08:00 +0000 2012&lt;/created_at&gt; &lt;id&gt;243576261375578113&lt;/id&gt; &lt;text&gt;Just had the best meal of my life!&lt;/text&gt; &lt;source&gt;&amp;lt;a href=&amp;quot;http://twitter.com/download/android&amp;quot; rel=&amp;quot;nofollow&amp;quot;&amp;gt;Twitter for Android&amp;lt;/a&amp;gt;&lt;/source&gt; &lt;truncated&gt;false&lt;/truncated&gt; &lt;in_reply_to_status_id&gt;&lt;/in_reply_to_status_id&gt; &lt;in_reply_to_user_id&gt;&lt;/in_reply_to_user_id&gt; &lt;in_reply_to_screen_name&gt;&lt;/in_reply_to_screen_name&gt; &lt;geo xmlns:georss="http://www.georss.org/georss"&gt; &lt;georss:point&gt;39.1587528 -86.5212387&lt;/georss:point&gt; &lt;/geo&gt; &lt;coordinates xmlns:georss="http://www.georss.org/georss"&gt; </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> &lt;georss:point&gt;39.1587528 -86.5212387&lt;/georss:point&gt; &lt;/coordinates&gt; &lt;place xmlns:georss="http://www.georss.org/georss"&gt; &lt;id&gt;a8b9e6374e5ffbfb&lt;/id&gt; &lt;name&gt;Bloomington&lt;/name&gt; &lt;full_name&gt;Bloomington, IN&lt;/full_name&gt; &lt;place_type&gt;city&lt;/place_type&gt; &lt;url&gt;http://api.twitter.com/1/geo/id/a8b9e6374e5ffbfb.json&lt;/url&gt; &lt;attributes/&gt; &lt;bounding_box&gt; &lt;georss:polygon&gt;39.121401 -86.592398 39.121401 -86.471444 39.221235 -86.471444 39.221235 -86.592398&lt;/georss:polygon&gt; &lt;/bounding_box&gt; &lt;country code="US"&gt;United States&lt;/country&gt; &lt;/place&gt; &lt;contributors/&gt; &lt;retweet_count&gt;0&lt;/retweet_count&gt; &lt;favorited&gt;&gt;false&lt;/favorited&gt; &lt;retweeted&gt;&gt;false&lt;/retweeted&gt; &lt;/status&gt; &lt;/user&gt; (EV0003220.) </pre> <p>In another example, which is too long to reproduce here, a container may represent a user's timeline, including the user's most recent status updates or "Tweets." See EV0003991-4045, which represents the timeline of Twitter user Taylor Swift, and which is incorporated by reference as if fully set forth herein.</p> <p>In another example, the following containers of the Twitter Product represent places:</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 1. { 2.   "attributes": { 3.     "162834:id": "2202" 4.   }, 5.   "bounding_box": { 6.     "coordinates": [ 7.       [ 8.         [ 9.           -122.48530488, 10.          37.78695297 11.         ], 12.         [ 13.           -122.44625208, 14.           37.78695297 15.         ], 16.         [ 17.           -122.44625208, 18.           37.81082799 19.         ], 20.         [ 21.           -122.48530488, 22.           37.81082799 23.         ] 24.       ] 25.     ], 26.     "type": "Polygon" 27.   }, 28.   "contained_within": { 29.     { 30.       "attributes": {}, 31.       "bounding_box": { 32.         "coordinates": [ 33.           [ 34.             [ 35.               -122.51368188, </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
36.		37.70813196
37.		},
38.		[
39.		-122.35845384,
40.		37.70813196
41.		},
42.		[
43.		-122.35845384,
44.		37.83245301
45.		},
46.		[
47.		-122.51368188,
48.		37.83245301
49.		}
50.		}
51.		},
52.		"type": "Polygon"
53.		},
54.		"country": "United States",
55.		"country_code": "US",
56.		"full_name": "San Francisco, CA",
57.		"id": "5a110d312052166f",
58.		"name": "San Francisco",
59.		"place_type": "city",
60.		"url": "https://api.twitter.com/1.1/geo/id/5a110d312052166f.json"
61.		}
62.		},
63.		"country": "United States",
64.		"country_code": "US",
65.		"full_name": "Presidio, San Francisco",
66.		"geometry": {
67.		"coordinates": [
68.		[
69.		[
70.		-122.48530488,
71.		37.79186004
72.		}],
73.		[



Element	U.S. Patent No. 7,010,536	The Twitter Product
74.		-122.48004086,
75.		37.80269298
76.		],
77.		[
78.		-122.47808292,
79.		37.81082799
80.		],
81.		[
82.		-122.46734592,
83.		37.80748701
84.		],
85.		[
86.		-122.46333192,
87.		37.80480897
88.		],
89.		[
90.		-122.44708188,
91.		37.80742797
92.		],
93.		[
94.		-122.44807116,
95.		37.805211
96.		],
97.		[
98.		-122.44625208,
99.		37.79193096
100.		],
101.		[
102.		-122.47134804,
103.		37.78695297
104.		],
105.		[
106.		-122.48418312,

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 107. 37.78752897 108.  }, 109.  [ 110.    -122.482854, 111.    37.78855596 112.  ], 113.  [ 114.    -122.48530488, 115.    37.79186004 116.  ] 117.  ], 118.  ], 119.  "type": "polygon" 120. }, 121. "id": "df51dec6f4ee2b2c", 122. "name": "Presidio", 123. "place_type": "neighborhood", 124. "polylines": [ 125.   "cfeFb qjVubA{_{qf9KzSabAvocXkoqdBzLdE~qAkJb`z{CsBdoAmEiGsShN" 126. ], 127. "url": "https://api.twitter.com/1.1/geo/id/df51dec6f4ee2b2c.json" 128. ] </pre>

(EV0003228-29.)

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> "place": {   "attributes": {},   "bounding_box":   {     "coordinates":     [       [         [-77.119759, 38.791645],         [-76.909393, 38.791645],         [-76.909393, 38.995548],         [-77.119759, 38.995548]       ],       "type": "Polygon"     ],     "country": "United States",     "country_code": "US",     "full_name": "Washington, DC",     "id": "01fbe706f872cb32",     "name": "Washington",     "place_type": "city",     "url":     "http://api.twitter.com/1/geo/id/01fbe706f872cb32.json"   } } </pre> <p>(EV0003226.)</p> <p>In another example, the following container of the Twitter Product represents a user:</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
<pre> "user":{"statuses_count":3080, "favorites_count":22, "protected":false, "profile_text_color":"437792", "profile_image_url":"...", "name":"Twitter API", "profile_sidebar_fill_color":"a9d9f1", "listed_count":9252, "following":true, "profile_background_tile":false, "utc_offset":-28800, "description":"The Real Twitter API. I tweet about API changes, service issues and happily answer questions about Twitter and our API. Don't get an answer? It's on my website.", "location":"San Francisco, CA", "contributors_enabled":true, "verified":true, "profile_link_color":"0094C2", "followers_count":665829, "url":"http://dev.twitter.com", "default_profile":false, "profile_sidebar_border_color":"0094C2", "screen_name":"twitterapi", "default_profile_image":false, "notifications":false, "display_url":null, "show_all_inline_media":false, "geo_enabled":true, "profile_use_background_image":true, "friends_count":32, "id_str":"6253282", "entities":{"hashtags":[], "urls":[], "user_mentions":[]}, "expanded_url":null, "is_translator":false, "lang":"en", "time_zone":"Pacific Time (US &amp; Canada)", "created_at":"Wed May 23 06:01:13 +0000 2007", "profile_background_color":"e8f2f7", "id":"6253282", "follow_request_sent":false, "profile_background_image_url_https":"...", "profile_background_image_url":"...", "profile_image_url_https":"..."} </pre> <p>(EV0003228.)</p> <p>In another example, the following containers of the Twitter Product represents “tweets” or status updates:</p>		

Element

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The Twitter Product

```
1. {
2.   "coordinates": null,
3.   "favorited": false,
4.   "truncated": false,
5.   "created_at": "Wed Jun 06 20:07:10 +0000 2012",
6.   "id_str": "210462857140252672",
7.   "entities": {
8.     "urls": [
9.       {
10.        "expanded_url": "https://dev.twitter.com/terms/display-guidelines",
11.        "url": "https://t.co/EddcmjYs",
12.        "indices": [
13.          76,
14.          97
15.        ]
16.      },
17.      {
18.        "display_url": "dev.twitter.com/terms/display-\u2026"
19.      }
20.    ],
21.    "hashtags": [
22.      {
23.        "text": "Twitterbird",
24.        "indices": [
25.          19,
26.          31
27.        ]
28.      }
29.    ],
30.    "user_mentions": [
31.      {
32.        "in_reply_to_user_id_str": null,
33.        "contributors": [
34.          14927800
35.        ]
36.      },
37.      {
38.        "text": "Along with our new #Twitterbird, we've also updated our Display Guidelines:
39.        https://t.co/EddcmjYs ^3C",
40.        "indices": [
41.          14927800,
42.          15000000
43.        ]
44.      }
45.    ]
46.  }
47. }
```

Element

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The Twitter Product

```
37. "retweet_count": 66,  
38. "in_reply_to_status_id_str": null,  
39. "id": 210462857140252672,  
40. "geo": null,  
41. "retweeted": true,  
42. "possibly_sensitive": false,  
43. "in_reply_to_user_id": null,  
44. "place": null,  
45. "user": {  
46.   "profile_sidebar_fill_color": "DDEEFF",  
47.   "profile_sidebar_border_color": "CODEED",  
48.   "profile_background_tile": false,  
49.   "name": "Twitter API",  
50.   "profile_image_url":  
51.     "http://a0.twimg.com/profile_images/2284174872/7df3h38zabcvjynfyf3_normal.png",  
52.   "location": "San Francisco, CA",  
53.   "follow_request_sent": false,  
54.   "profile_link_color": "008484",  
55.   "is_translator": false,  
56.   "id_str": "6253282",  
57.   "entities": {  
58.     "url": {  
59.       "urls": [  
60.         {  
61.           "expanded_url": null,  
62.           "url": "http://dev.twitter.com",  
63.           "indices": [  
64.             0,  
65.             22  
66.           ]  
67.         }  
68.       ]  
69.     },  
70.     "description": {  
71.       "urls": [  
72.         ]  
73.     }  
74.   }  
75. }
```

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 74.     } 75.   }, 76.   "default_profile": true, 77.   "contributors_enabled": true, 78.   "favourites_count": 24, 79.   "url": "http://dev.twitter.com", 80.   "profile_image_url_https":       "https://s10.twimg.com/profile_images/2284174872/7df3h38zabcvjylnyfe3_normal.png", 81.   "utc_offset": -28800, 82.   "id": 6253282, 83.   "profile_use_background_image": true, 84.   "listed_count": 10774, 85.   "profile_text_color": "333333", 86.   "lang": "en", 87.   "followers_count": 1212963, 88.   "protected": false, 89.   "notifications": null, 90.   "profile_background_image_url_https":       "https://s10.twimg.com/images/themes/themel/bg.png", 91.   "profile_background_color": "CODEED", 92.   "verified": true, 93.   "geo_enabled": true, 94.   "time_zone": "Pacific Time (US &amp; Canada)", 95.   "description": "The Real Twitter API. I tweet about API changes, service issues and       happily answer questions about Twitter and our API. Don't get an answer? It's on my       website.", 96.   "default_profile_image": false, 97.   "profile_background_image_url": "http://a0.twimg.com/images/themes/themel/bg.png", 98.   "statuses_count": 3333, 99.   "friends_count": 31, 100.  "following": true, 101.  "show_all_inline_media": false, 102.  "screen_name": "twitterapi" 103. }, 104. "in_reply_to_screen_name": null, 105. "source": "web", 106. "in_reply_to_status_id": null 107. } </pre> <p>(EV0003265-66.)</p>

Element

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The Twitter Product

```
"status": {
  "coordinates": null,
  "favorited": false,
  "truncated": false,
  "created_at": "Tue Apr 17 16:38:18 +0000 2012",
  "id_str": "1922904646754304",
  "entities": {
    "urls": [
    ],
    "hashtags": [
    ],
    "user_mentions": [
    {
      "name": "Micah McVicker",
      "id_str": "166661446",
      "id": 166661446,
      "indices": [
        0,
        14
      ],
      "screen_name": "MicahMcVicker"
    }
  ],
  "in_reply_to_user_id_str": "166661446",
  "contributors": null,
  "text": "@MicahMcVicker make sure you're using
include_rts=true and no other filters, then walking your
timeline by since id and max_id",
  "retweet_count": 0,
  "in_reply_to_status_id_str": "192290470427246594",
  "id": 1922904646754304,
  "geo": null,
  "retweeted": false,
  "in_reply_to_user_id": 166661446,
  "place": null,
  "in_reply_to_screen_name": "MicahMcVicker",
  "source": "<a
href='\"http://sites.google.com/site/yorufukurou/\
rel='\"nofollow\">YoruFukurou</a>",
  "in_reply_to_status_id": 192290470427246594
},
```

(EV0003235.)

In other examples, the following containers of the Twitter Product represents search query results:



Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 1.  { 2.  "query": { 3.  "params": { 4.    "accuracy": 0, 5.    "autocomplete": false, 6.    "granularity": "neighborhood", 7.    "query": "Toronto", 8.    "trim_place": false 9.  }, 10. "type": "search", 11. "uri": "https://api.twitter.com/1.1/geo/search.json? accuracy=0&amp;query=toronto&amp;granularity=neighborhood&amp;autocomplete=false&amp;trim_place=false" 12. }, 13. "result": { 14.   "places": [ 15.     { 16.       "attributes": {}, 17.       "bounding_box": { 18.         "coordinates": [ 19.           [ 20.             [ 21.               -96.647415, 22.               44.566715 23.             ], 24.             [ 25.               -96.630435, 26.               44.566715 27.             ], 28.             [ 29.               -96.630435, 30.               44.576116 31.             ], 32.             [ </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 33.     -96.047415, 34.     44.570110 35.     ] 36.   } 37. } 38. "type": "polygon" 39. }, 40. "contained_within": { 41.   { 42.     "attributes": {}, 43.     "bounding_box": { 44.       "coordinates": [ 45.         [ 46.           [ 47.             -104.057739, 48.             42.479000 49.           ], 50.           [ 51.             -96.436472, 52.             42.479000 53.           ], 54.           [ 55.             -96.436472, 56.             45.043710 57.           ], 58.           [ 59.             -104.057739, 60.             45.043710 61.           ] 62.         ] 63.       ], 64.       "type": "polygon" 65.     }, 66.     "country": "United States", 67.     "country_code": "US", 68.     "full_name": "South Dakota, US", 69.     "id": "d06e395eb3733f42", 70.     "name": "South Dakota", </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 71. "place_type": "admin", 72. "url": "https://api.twitter.com/1.1/geo/id/d06e393eb3733f42.json" 73. } 74. }, 75. "country": "United States", 76. "country_code": "US", 77. "full_name": "Toronto, SD", 78. "id": "3e0542a1e9f02070", 79. "name": "Toronto", 80. "place_type": "city", 81. "url": "https://api.twitter.com/1.1/geo/id/3e0542a1e9f02070.json" 82. }, 83. { 84. "attributes": {}, 85. "bounding_box": { 86. "coordinates": [ 87. [ 88. [ 89. -80.622013, 90. 40.436469 91. ], 92. [ 93. -80.596567, 94. 40.436469 95. ], 96. [ 97. -80.596567, 98. 40.402566 99. ], 100. [ 101. -80.622013, 102. 40.402566 103. ] 104. ] 105. }, 106. "type": "Polygon" 107. }, 108. "contained_within": [ 109. { 110. "attributes": {}, 111. "bounding_box": { </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
<p>112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153.</p>		<pre> "coordinates": [   [     [       -84.820305,       36.403423     ],     [       -80.518434,       36.403423     ],     [       -80.518434,       42.327132     ],     [       -84.820305,       42.327132     ]   ],   "type": "Polygon" }, "country": "United States", "country_code": "US", "full_name": "Ohio, US", "id": "de399023180e2ee7", "name": "Ohio", "place_type": "admin", "url": "https://api.twitter.com/1.1/geo/id/de399023180e2ee7.json" }, }, "country": "United States", "country_code": "US", "full_name": "Toronto, OH", "id": "33d949149e80d436", "name": "Toronto", "place_type": "city", "url": "https://api.twitter.com/1.1/geo/id/33d949149e80d436.json" }, {   "attributes": {},   "bounding_box": { </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 154. "coordinates": [ 155.   [ 156.     [ 157.       -79.039120, 158.       43.403221 159.     ], 160.     [ 161.       -78.00502, 162.       43.403221 163.     ], 164.     [ 165.       -78.90502, 166.       43.055466 167.     ], 168.     [ 169.       -79.039120, 170.       43.055466 171.     ], 172.     ] 173.   ], 174.   "type": "Polygon" 175. }, 176. "contained_within": [ 177.   { 178.     "attributes": {}, 179.     "bounding_box": { 180.       "coordinates": [ 181.         [ 182.           [ 183.             -95.135019, 184.             41.676320 185.           ], 186.           [ 187.             -74.339303, 188.             41.676320 189.           ], 190.           [ </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 191.         -74.339303, 192.         36.852398 193.     ], 194.     [ 195.         -95.125919, 196.         36.852398 197.     ] 198. ], 199. }, 200.     "type": "Polygon" 201. }, 202.     "country": "Canada", 203.     "country_code": "CA", 204.     "full_name": "Ontario, Canada", 205.     "id": "99b2eb8b2b0647f7", 206.     "name": "Ontario", 207.     "place_type": "admin", 208.     "url": "https://api.twitter.com/1.1/geo/id/99b2eb8b2b0647f7.json" 209. }, 210. ], 211.     "country": "Canada", 212.     "country_code": "CA", 213.     "full_name": "Toronto, Ontario", 214.     "id": "6f9664a00d69e30", 215.     "name": "Toronto", 216.     "place_type": "city", 217.     "url": "https://api.twitter.com/1.1/geo/id/6f9664a00d69e30.json" 218. }, 219.     { 220.         "attributes": {}, 221.         "bounding_box": { 222.             "coordinates": [ 223.                 [ 224.                     [ 225.                         -90.867234, 226.                         41.808723 227.                     ], 228.                     [ 229.                         -90.859467, 230.                         41.808723 231.                     ], 232.                     [ 233.                         -90.859467, 234.                         41.906811 235.                     ], 236.                     [ 237.                         -90.867234, </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 238.         41.900011 239.     ] 240. ] 241. }, 242. "type": "polygon" 243. }, 244. "contained_within": [ 245. { 246.     "attributes": {}, 247.     "bounding_box": { 248.         "ordinates": [ 249.             [ 250.                 [ 251.                     -96.639485, 252.                     40.375437 253.                 ], 254.                 [ 255.                     -90.140061, 256.                     40.375437 257.                 ], 258.                 [ 259.                     -90.140061, 260.                     43.301196 261.                 ], 262.                 [ 263.                     -96.639485, 264.                     43.301196 265.                 ], 266.             ] 267.         }, 268.         "type": "Polygon" 269.     ], </pre>

Element

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The Twitter Product

```
270.   "country": "United States",
271.   "country_code": "US",
272.   "full_name": "Iowa, US",
273.   "id": "30d4018d3613bb09",
274.   "name": "Iowa",
275.   "placoe_type": "admin",
276.   "url": "https://api.twitter.com/1.1/geo/id/30d4018d3613bb09.json"
277. }
278. },
279. "country": "United States",
280. "country_code": "US",
281. "full_name": "Toronto, IA",
282. "id": "173d6f903249b4fd",
283. "name": "Toronto",
284. "placoe_type": "city",
285. "url": "https://api.twitter.com/1.1/geo/id/173d6f903249b4fd.json"
286. },
287. {
288.   "attributes": {},
289.   "bounding_box": {
290.     "coordinates": [
291.       [
292.         [
293.           -95.056073,
294.           37.792724
295.         ],
296.         [
297.           -95.041200,
298.           37.792724
299.         ],
300.         [
301.           -95.041200,
302.           37.803752
303.         ],
304.         [
305.           -95.056073,
306.           37.803752
307.         ]
308.       ]
309.     ],
310.     "type": "Polygon"
311.   },
312.   "contained_within": [
313.     {
314.       "attributes": {},
315.       "bounding_box": {
```



Element

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7,010,536

The Twitter Product

```
316. "coordinates": [
317. [
318. [
319. -102.051769,
320. 36.993016
321. ]],
322. [
323. -94.588387,
324. 36.993016
325. ]],
326. [
327. -94.588387,
328. 40.003166
329. ]],
330. [
331. -102.051769,
332. 40.003166
333. ]],
334. ],
335. ],
336. "type": "Polygon"
337. },
338. "country": "United States",
339. "country_code": "US",
340. "full_name": "Kansas, US",
341. "id": "27045d804077999",
342. "name": "Kansas",
343. "place_type": "admin",
344. "url": "https://api.twitter.com/1.1/geo/id/27045d804077999.json"
345. },
346. ],
347. "country": "United States",
348. "country_code": "US",
349. "full_name": "Toronto, KS",
350. "id": "b90e4028ff4ad02",
351. "name": "Toronto",
352. "place_type": "city",
353. "url": "https://api.twitter.com/1.1/geo/id/b90e4028ff4ad02.json"
354. },
355. ],
356. }
357. }
```

(EV0003335-39.)

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 1. { 2.   "completed_in": 0.031, 3.   "max_id": 122078461840982016, 4.   "max_id_str": "122078461840982016", 5.   "next_page": "?page=2&amp;max_id=122078461840982016&amp;q=blue%20angle&amp;srpp=5", </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 6. "page":1, 7. "query":"blue+angels", 8. "refresh_url":"?since_id=122078461840982016&amp;q=blue%20angels", 9. "results":[ 10. { 11.   "created_at":"Thu, 06 Oct 2011 19:36:17 +0000", 12.   "entities":{ 13.     "urls":{ 14.       { 15.         "url":"http://t.co/L9JXJ2ee", 16.         "expanded_url":"http://bit.ly/q9fyz9", 17.         "display_url":"bit.ly/q9fyz9", 18.         "indices":{ 19.           37, 20.           57 21.         } 22.       } 23.     ] 24.   }, 25.   "from_user":"SFist", 26.   "from_user_id":14093707, 27.   "from_user_id_str":"14093707", 28.   "geo":null, 29.   "id":122032448266698752, 30.   "id_str":"122032448266698752", 31.   "iso_language_code":"en", 32.   "metadata":{ 33.     "recent_retweets":3, 34.     "result_type":"popular" 35.   }, 36.   "profile_image_url":"http://a3.twimg.com/profile_images/51584619/SFist07_normal.jpg", 37.   "source":"&amp;lt;a href=&amp;quot;http://twitter.com/tweetbutton&amp;quot; rel=&amp;quot;nofollow&amp;quot;&amp;gt;Tweet Button&amp;lt;/a&amp;gt;", 38.   "text":"Reminder: Blue Angels practice today http://t.co/L9JXJ2ee", 39.   "to_user_id":null, 40.   "to_user_id_str":null </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 41.     }, 42.     { 43.         "created_at": "Thu, 06 Oct 2011 19:41:12 +0000", 44.         "entities": { 45. 46.         }, 47.         "from_user": "masters212", 48.         "from_user_id": 2242041, 49.         "from_user_id_str": "2242041", 50.         "geo": null, 51.         "id": 122033683212419072, 52.         "id_str": "122033683212419072", 53.         "iso_language_code": "en", 54.         "metadata": { 55.             "recent_retweets": 1, 56.             "result_type": "popular" 57.         }, 58.     }, 59.     "profile_image_url": "http://a3.twimg.com/profile_images/488532540/rachel25final_normal.jpg", 60.     "source": "&lt;a href='\"&gt;http://twitter.com/&amp;quot;&amp;gt;web&amp;lt;/a&amp;gt;", 61.     "text": "Starting to hear Blue Angels... Not such angels with all of the noise and carbon pollution.", 62.     "to_user_id": null, 63.     "to_user_id_str": null 64. }, 65. { 66.     "created_at": "Thu, 06 Oct 2011 19:39:52 +0000", 67.     "entities": { 68. 69.     }, 70.     "from_user": "SFBayBridge", 71.     "from_user_id": 182107587, 72.     "from_user_id_str": "182107587", 73.     "geo": null, </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
73.		"id":12203350327279617,
74.		"id_str":"122033350327279617",
75.		"iso_language_code":"en",
76.		"metadata":{
77.		"recent_retweets":1,
78.		"result_type":"popular"
79.		},
80.		}
81.		"profile_image_url":"http://a0.twimg.com/profile_images/1162882917/bbtwitternew_normal.jpg
82.		"source":"&lt;a href=&quot;http://twitter.com/&quot;&gt;&web&lt;/a&gt;";
83.		"text":"BZZZZZZZZZZZZZZZZZZZZ WHAT? I CAN'T HEAR YOU. THERE ARE BLUE ANGELS.
84.		ZZZZZZZZ!";
85.		"to_user_id":null,
86.		"to_user_id_str":null
87.		},
88.		{
89.		"created_at":"Thu, 06 Oct 2011 22:39:08 +0000",
90.		"entities":{
91.		"from_user":"OnDST",
92.		"from_user_id":265656068,
93.		"from_user_id_str":"265656068",
94.		"geo":null,
95.		"id":122078461840982016,
96.		"id_str":"122078461840982016",
97.		"iso_language_code":"nl",
98.		"metadata":{
99.		"result_type":"recent"
100.		},
101.		}
102.		"profile_image_url":"http://a3.twimg.com/profile_images/1271597598/OnDST_normal.jpg",
103.		"source":"&lt;a href=&quot;http://dlvr.it&quot;
104.		rel=&quot;nofollow&quot;&gt;dlvr.it&lt;/a&gt;";
105.		"text":"SF Fleet Week to open with Blue Angels flyovers   Student ...",
106.		"to_user_id":null,
107.		"to_user_id_str":null
108.		},
109.		{
110.		"created_at":"Thu, 06 Oct 2011 22:38:51 +0000",
		"entities":{

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 111.    }, 112.    "from_user": "gusbumper", 113.    "from_user_id": 15912539, 114.    "from_user_id_str": "15912539", 115.    "geo": null, 116.    "id": 122078393641603072, 117.    "id_str": "122078393641603072", 118.    "iso_language_code": "en", 119.    "metadata": { 120.      "result_type": "recent" 121.    }, 122.    "profile_image_url": "http://a2.twimg.com/profile_images/832286946/pho_normal.jpg", 123.    "source": "&lt;a href='\"&amp;quot;http://itunes.apple.com/us/app/twitter/id409789998? mt=12&amp;quot; rel='\"&amp;quot;nofollow&amp;quot;&amp;gt;Twitter for Mac&lt;/a&gt;"; 124.    "text": "RT @gzahnd: WAKE UP HIPPIES, THE BLUE ANGELS ARE IN TOWN!", 125.    "to_user_id": null, 126.    "to_user_id_str": null 127.  }, 128.  { 129.    "created_at": "Thu, 06 Oct 2011 22:38:31 +0000", 130.    "entities": { 131. 132.    }, 133.    "from_user": "LUVTQUILT", 134.    "from_user_id": 32653550, 135.    "from_user_id_str": "32653550", 136.    "geo": null, 137.    "id": 122078309004742656, 138.    "id_str": "122078309004742656", </pre>

Element	U.S. Patent No. 7,010,536	The Twitter Product
139.		"iso_language_code": "en",
140.		"metadata": {
141.		"result_type": "recent"
142.		},
143.		"profile_image_url": "http://a1.twimg.com/profile_images/1188428056/IMG000007-20100521-1647_1_normal.jpg",
144.		"source": "&lt;a href=&quot;http://ubersocial.com&quot; rel=&quot;nofollow&quot;&gt;\u00DCberSocial for BlackBerry&lt;/a&gt;",
145.		"text": "Thursday - Just watched the Blue Angels practice over SF Bay Impressive! What a background. GGB & Alcatraz. ;)",
146.		"to_user_id": null,
147.		"to_user_id_str": null
148.		},
149.		{
150.		"created_at": "Thu, 06 Oct 2011 22:38:22 +0000",
151.		"entities": {
152.		"urls": {
153.		{
154.		"url": "http://t.co/fyL8Rs5f",
155.		"expanded_url": "http://dlvr.it/pffFj",
156.		"display_url": "dlvr.it/pffFj",
157.		"indices": {
158.		52,
159.		72
160.		}
161.		}
162.		}
163.		},
164.		"from_user": "johnnyfuncheap",
165.		"from_user_id": 20717004,
166.		"from_user_id_str": "20717004",
167.		"geo": null,
168.		"id": 122078271478317056,
169.		"id_str": "122078271478317056",
170.		"iso_language_code": "en",
171.		"metadata": {
172.		"result_type": "recent"
173.		},
174.		}
175.		"profile_image_url": "http://a0.twimg.com/profile_images/1130541908/funcheap_icon_twitter_n",
		"source": "&lt;a href=&quot;http://dlvr.it&quot; rel=&quot;nofollow&quot;&gt;dlvr.it&lt;/a&gt;",

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 176. "text": "10/8/11: Blue Angels Wine Tasting   Treasure Island http://t.co/fyL8Rs5f", 177. "to_user_id": null, 178. "to_user_id_str": null 179. }, 180. { 181. "created_at": "Thu, 06 Oct 2011 22:37:28 +0000", 182. "entities": { 183. "urls": { 184. { 185. "url": "http://t.co/KfzEqOWM", 186. "expanded_url": "http://married2travel.com/2600/san-francisco-day3-golden- gate-park-pier-39-blue-angels/", 187. "display_url": "married2travel.com/2600/san-franc "indices": { 188. 47, 189. 67 190. ] 191. ] 192. } 193. }, 194. { 195. "from_user": "espenorio", 196. "from_user_id": 52736683, 197. "from_user_id_str": "52736683", 198. "geo": null, 199. "id": 122078043664695296, 200. "id_str": "122078043664695296", 201. "iso_language_code": "en", 202. "metadata": { 203. "result_type": "recent" </pre>



Element	U.S. Patent No. 7,010,536	The Twitter Product
		<pre> 204.     }, 205.     "profile_image_url": "http://a0.twimg.com/profile_images/1574863913/sheil_normal.png", 206.     "source": "&amp;lt;a href=&amp;quot;http://twitter.com/&amp;quot;&amp;gt;&amp;web&amp;lt;/a&amp;gt;", 207.     "text": "San Francisco 2010 Fleet week photos and video http://t.co/KfzEq0WM", 208.     "to_user_id": null, 209.     "to_user_id_str": null 210.   }, 211. ], 212. "results_per_page": 5, 213. "since_id": 0, 214. "since_id_str": "0" 215. } </pre> <p>(EV0003375-79.)</p> <p>In another example, the following container of the Twitter Product represents a direct message:</p> <pre> 1. { 2. { 3.   "created_at": "Mon Aug 27 17:21:03 +0000 2012", 4.   "entities": { 5.     "hashtags": [], 6.     "urls": [], 7.     "user_mentions": [] 8.   }, 9.   "id": 240136858829479936, 10.  "id_str": "240136858829479936", 11.  "recipient..." </pre>

Element

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```
12. "contributors_enabled": false,  
13. "created_at": "Thu Aug 23 19:45:07 +0000 2012",  
14. "default_profile": false,  
15. "default_profile_image": false,  
16. "description": "Keep calm and test",  
17. "favourites_count": 0,  
18. "follow_request_sent": false,  
19. "followers_count": 0,  
20. "following": false,  
21. "friends_count": 10,  
22. "geo_enabled": true,  
23. "id": 776627022,  
24. "id_str": "776627022",  
25. "is_translator": false,  
26. "lang": "en",  
27. "listed_count": 0,  
28. "location": "San Francisco, CA",  
29. "name": "Mick Jagger",  
30. "notifications": false,  
31. "profile_background_color": "000000",  
32. "profile_background_image_url":  
"http://a0.twimg.com/profile_background_images/644522235/cdjlcccey99gy36j3em67.jpeg",  
33. "profile_background_image_url_https":  
"https://si0.twimg.com/profile_background_images/644522235/cdjlcccey99gy36j3em67.jpeg",  
34. "profile_background_tile": true,  
35. "profile_image_url":  
"http://a0.twimg.com/profile_images/2550226257/y0ef5abcx5yrba8du0sk_normal.jpeg",  
36. "profile_image_url_https":  
"https://si0.twimg.com/profile_images/2550226257/y0ef5abcx5yrba8du0sk_normal.jpeg",  
37. "profile_link_color": "000000",  
38. "profile_sidebar_border_color": "000000",  
39. "profile_sidebar_fill_color": "000000",  
40. "profile_text_color": "000000",
```

Element

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```

41. "profile_use_background_image": false,
42. "protected": false,
43. "screen_name": "s0clalm3dia",
44. "show_all_inline_media": false,
45. "statuses_count": 0,
46. "time_zone": "Pacific Time (US & Canada)",
47. "url": "http://cnn.com",
48. "utc_offset": -28800,
49. "verified": false
50. },
51. "recipient_id": 776627022,
52. "recipient_screen_name": "s0clalm3dia",
53. "sender": {
54.   "contributors_enabled": true,
55.   "created_at": "Sat May 09 17:58:22 +0000 2009",
56.   "default_profile": false,
57.   "default_profile_image": false,
58.   "description": "I taught your phone that thing you like. The Mobile Partner
    Engineer @Twitter. ",
59.   "favourites_count": 584,
60.   "follow_request_sent": false,
61.   "followers_count": 10621,
62.   "following": false,
63.   "friends_count": 1181,
64.   "geo_enabled": true,
65.   "id": 38895958,
66.   "id_str": "38895958",
67.   "is_translator": false,
68.   "lang": "en",
69.   "listed_count": 190,
70.   "location": "San Francisco",
71.   "name": "Sean Cook",
72.   "notifications": false,
73.   "profile_background_color": "1ab1f1",
74.   "profile_background_image_url":
    "http://a0.twimg.com/profile_background_images/495742332/purty_wood.png",
75.   "profile_background_image_url_https":
    "https://si0.twimg.com/profile_background_images/495742332/purty_wood.png",
76.   "profile_background_tile": true,
77.   "profile_image_url":
    "http://a0.twimg.com/profile_images/1751506047/dead_sexy_normal.JPG",
78.   "profile_image_url_https":
    "https://si0.twimg.com/profile_images/1751506047/dead_sexy_normal.JPG",
79.   "profile_link_color": "2fc2ef",
80.   "profile_sidebar_border_color": "181a1e",
81.   "profile_sidebar_fill_color": "252429",
82.   "profile_text_color": "556666",

```

Element	U.S. Patent No. 7,010,536	The Twitter Product
<pre> 83. "profile_use_background_image": true, 84. "protected": false, 85. "screen_name": "theSeanCook", 86. "show_all_inline_media": true, 87. "statuses_count": 2608, 88. "time_zone": "Pacific Time (US &amp; Canada)", 89. "url": null, 90. "utc_offset": -28800, 91. "verified": false 92. }, 93. "sender_id": 38895958, 94. "sender_screen_name": "theSeanCook", 95. "text": "booyakasha" 96. } 97. ] </pre> <p>(EV0003292-94.)</p> <p>In another example, the following container corresponds to a media entity:</p>		

Element

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```
1. "text": "#Photos on Twitter: taking flight http://t.co/qbjx26r",
2. "entities": {
3.   "media": [
4.     {
5.       "id": 7636076061180544,
6.       "id_str": "7636076061180544",
7.       "media_url": "http://p.twimg.com/AQ9JtQsCEAA7dEH.jpg",
8.       "media_url_https": "https://p.twimg.com/AQ9JtQsCEAA7dEH.jpg",
9.       "url": "http://t.co/qbjx26r",
10.      "display_url": "pic.twitter.com/qbjx26r",
11.      "expanded_url": "http://twitter.com/twitter/status/7636076060986241/photo/1",
12.      "sizes": {
13.        "large": {
14.          "w": 700,
15.          "resize": "fit",
16.          "h": 466
17.        },
18.        "medium": {
19.          "w": 600,
20.          "resize": "fit",
21.          "h": 399
22.        },
23.        "small": {
24.          "w": 340,
25.          "resize": "fit",
26.          "h": 226
27.        },
28.        "thumb": {
29.          "w": 150,
30.          "resize": "crop",
31.          "h": 150
32.        }
33.      },
34.      "type": "photo",
35.      "indices": [
36.        34,
37.        53
38.      ]
39.    }
40.  ],
41.  "urls": [
42.  ],
43.  "user_mentions": [
44.  ],
45.  "hashtags": [
46.  ]
47. }
48.
```

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>In addition, on information and belief, the Twitter Product has containers corresponding to advertising. Twitter's advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that containers are used throughout the Twitter Product. For example, the Twitter Product also has containers regarding entities, retweets, media, sites, messages, accounts, lists, etc. The containers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1C	an information element having information;	<p>Each container of the Twitter Product comprises an information element having information.</p> <p>With respect to the first "tweet" container above, examples of information elements include: (i) the value "806062790", which corresponds to the user id of the user; (ii) the string "Just had the best meal of my life!", which corresponds to the user's status update; (iii) the string "Thu Sep 06 05:08:00 +0000 2012," which corresponds to the time and of the user's status update; etc.</p> <p>With respect to the first "place" container above, examples of information elements include: (i) the values of the coordinates; (ii) the string "Polygon", which corresponds to the type of bounding box; (iii) the string "United States"; etc.</p> <p>With respect to the "user" container above, examples of information elements include: (i) the value 3080, which corresponds to the number of statuses; (ii) value "false", which corresponds to the user's protected status; (iii) the string "437792", which corresponds to the user's profile text color; etc.</p> <p>With respect to the first "status update" container above, examples of information elements include: (i) "Wed Jun 06 20:07:10 +0000 2012", which corresponds to the time and date at which the status update</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>was created; (ii) the string “Twitterbird”, which corresponds to a hashtag of the status update; (iii) the string “Along with our new #Twitterbird, we’ve also updated our Display Guidelines: <a href="https://t.co/Ed4omjYs^Jc">https://t.co/Ed4omjYs^Jc</a>”, which corresponds to the status update; etc.</p> <p>With respect to the “search query” result container above, examples of information elements include: (i) the string “neighborhood”, which corresponds to the granularity; (ii) the string “Toronto”, which corresponds to the query; (iii) the values of the coordinates; etc.</p> <p>With respect to the “search result” container above, examples of information elements include: (i) the value 0.031, which corresponds to the time in which the query was completed; (ii) the string “Thu, 06 Oct 2011 19:36:17 +000”, which corresponds to the “created_at” register; and (iii) the string “SFist”, which corresponds to the “from_user” register.</p> <p>With respect to the “direct message” container above, examples of information elements include: (i) the string “Mon Aug 27 17:21:03 +0000 2012”, which corresponds to the date the direct message was created; (ii) the value 10, which corresponds to the number of friends; (ii) the string “en”, which corresponds to the language; etc.</p> <p>With respect to the “media entity” container above, examples of information elements include: (i) the string corresponding to the media_url, which indicates the url of the .jpg picture; (ii) the value 700, which corresponds to the width of the picture; etc.</p> <p>In addition, on information and belief, the Twitter Product has information elements corresponding to advertising: Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that information elements are used throughout the Twitter Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
1D	a plurality of registers, the plurality of registers forming part of the container and including	<p>the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Twitter Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>With respect to the first “tweet” container above, examples of registers include: “id”, “name”, “protected”, “friends_count”, “created_at”, “geo_enabled”, “coordinates”, “place”, “place_type”, “bounding_box”, “georss:polygon”, etc.</p> <p>With respect to the first “place” container above, examples of registers include: “coordinates”, “type”, “country”, “country_code”, “full_name”, “id”, etc.</p> <p>With respect to the “user” container above, examples of registers include: “statuses_count”, “favorites_count”, “protected”, “description”, “friends_count”, etc.</p> <p>With respect to the first “status update” container above, examples of containers include: “coordinates”, “created_at”, “text”, “created_at”, “id_str”, “place”, etc.</p> <p>With respect to the “search query result” container above, examples of registers include: “accuracy”, “query”, “coordinates”, “type”, “name”, “place_type”, etc.</p> <p>With respect to the “search result” container above, examples of registers include: “completed_in”, “max_id”, “max_id_str”, etc.</p> <p>With respect to the “direct message” container above, examples of registers include: “created_at”, “id”, “id_str”, “name”, “description”, “lang”, etc.</p> <p>With respect to the “media entity container above, examples of registers include: “id”, “id_str”, “media_url”, “media_url_https”, “url”, “display_url”, “w”, “resize”, “h”, “type”, etc.</p> <p>In addition, on information and belief, the Twitter Product has registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that registers are used throughout the Twitter Product. The registers corresponding to the above evidence are only examples. Other examples are described in the</p>

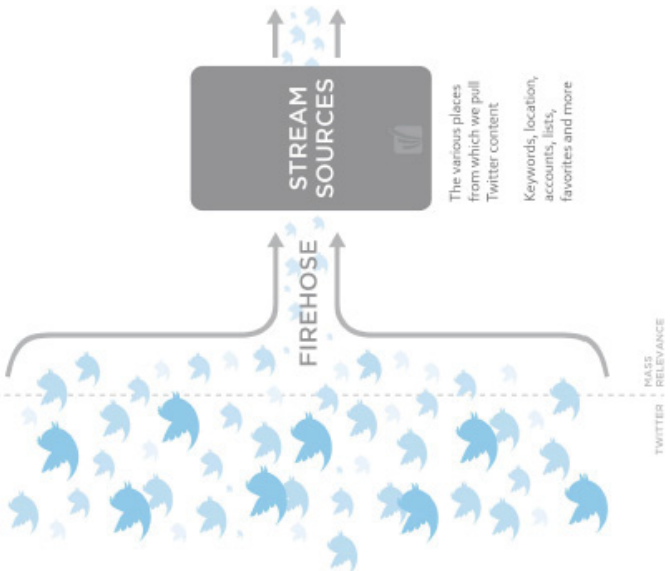


Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1E	<p>a first register for storing a unique container identification value,</p>	<p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>With respect to the first “tweet” container above, examples of first registers include the “id” (corresponding to the user), “id” (corresponding to the status update), and “id” (corresponding to the place) registers.</p> <p>With respect to the first “place” container above, examples of first registers include the “id” (corresponding to the place); and the other “id” registers (corresponding to the “contained within” place).</p> <p>With respect to the “user” container above, “id_str” (corresponding to the id string of the user) is a first register.</p> <p>With respect to the first “status update” container above, examples of first registers include: “id_str” and “id” (corresponding to the status update); and “id_str” and “id” (corresponding to the user).</p> <p>With respect to the “search query result” container above, “id” (corresponding to places and “contained within” places) is a first register.</p> <p>With respect to the “search result” container above, examples of first registers include the “from_user_id”, “id”, “id_str”, “to_user_id”, “to_user_id_str” registers.</p> <p>With respect to the “direct message” container above, examples of first registers include the “id”, “id_str”, and “sender_id” registers.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>With respect to the “media entity” container above, examples of first registers include the “id” and “id_str” registers.</p> <p>In addition, on information and belief, the Twitter Product has first registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that first registers with unique container identification values are used throughout the Twitter Product. The first registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>With respect to the first “tweet” container above, examples of second registers include the “created_at” (for the user, designating time as “Thu Sep 06 04:48:37 +0000 2012”), <code>utc_offset</code>, <code>time_zone</code>, and “created_at” (for the status, designating time as “Thu Sep 06 05:08:00 +0000 2012”) registers.</p> <p>With respect to the “user” container above, examples of second registers include the “time_zone” and “created_at” registers.</p> <p>With respect to the first “status update” container above, examples of second registers include the “created_at”, “utc_offset”, and “time_zone” registers.</p> <p>With respect to the “direct message” container above, examples of second registers include the “created_at”, “time_zone”, and “utc_offset” registers.</p>
1F	<p>a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time,</p>	

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>With respect to the “search result” container above, examples of second registers include the “created_at” registers.</p> <p>On information and belief, there are second registers associated with “place” containers, such as second registers designating time at which each “place” was created and modified. In addition, on information and belief, there are second registers associated with “search query” containers, such as second registers designating time at which each search query took place, as well as second registers pertaining to the results of search queries.</p> <p>Further, the second registers govern interactions of the containers with other containers, systems or processes according to utility of the timestamp information relative to real-world time. (<i>See</i> the discussion with respect to elements 1G, 1H, and 1I below.)</p> <p>In addition, on information and belief, the Twitter Product has second registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that second registers are used throughout the Twitter Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways.</p> <p>For example, time registers of “user,” “status update,” “place,” and “search query” containers identify times at which those containers will act upon other containers, processes, systems or gateways, such as the containers and processes responsible for sending those containers to Twitter users and third parties.</p>
1G	an active time register for identifying times at which the container will act upon other containers, processes, systems or	

Element	U.S. Patent No. 7,010,536 gateways,	The Twitter Product
<p><b>Overview</b></p> <p>The set of streaming APIs offered by Twitter give developers low latency access to Twitter’s global stream of Tweet data. A proper implementation of a streaming client will be pushed messages indicating Tweets and other events have occurred, without any of the overhead associated with polling a REST endpoint.</p> <p>Twitter offers several streaming endpoints, each customized to certain use cases.</p> <hr/> <p><b>Public streams</b> Streams of the public data flowing through Twitter. Suitable for following specific users or topics, and data mining.</p> <hr/> <p><b>User streams</b> Single-user streams, containing roughly all of the data corresponding with a single user’s view of Twitter.</p> <hr/> <p><b>Site streams</b> The multi-user version of user streams. Site streams are intended for servers which must connect to Twitter on behalf of many users.</p> <hr/> <p>(EV0003359.)</p> <p>Today we’re releasing the latest version of Twitter for Android. It includes some of the most commonly requested features from our users.</p> <p>First, we now offer push notifications. Push notifications let you instantly receive Twitter updates – no matter what you’re doing on your phone. In your account settings, select “automatic refresh” and choose to receive updates for Direct Messages, @Mentions (from the people you follow or anyone), and Tweets.</p> <p>(EV0003351.)</p>		

Element	U.S. Patent No. 7,010,536	The Twitter Product
		 <p>(EV0003206.)</p> <p>In addition, on information and belief, the Twitter Product has active time registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that active time registers are used throughout the Twitter Product. The active time registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the active time registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
1H	<p>a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways, and</p>	<p>instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a passive time register for identifying times at which the container can be acted upon other containers, processes, systems or gateways.</p> <p>For example, time registers of “user,” “status update,” “place,” and “search query” containers identify times at which those containers may be acted upon by other containers, processes, systems or gateways, such as the containers and processes responsible for displaying those containers.</p> <p>For example, the “created_at” register corresponding to the status update identifies times at which the container can be acted upon by other containers, processes, systems and/or gateways in order to, for example, display the status update, retweet the status update, or respond to the status update.</p> <hr/> <p><b>until</b> optional  (EV0003281.)</p> <p>Returns tweets generated before the given date. Date should be formatted as YYYY-MM-DD. Keep in mind that the search index may not go back as far as the date you specify here.  <b>Example Values:</b> 2012-09-01</p> <hr/> <p><b>until</b> optional  (EV0003375.)</p> <p>Optional. Returns tweets generated before the given date. Date should be formatted as YYYY-MM-DD.  <b>Example Values:</b> 2010-03-28</p> <p>In another example, the “created_at” register corresponding to the user identifies times at which the container can be acted upon by other containers, processes, systems and/or gateways in order to, for example, enable other users to send messages to the user, follow the user, etc.</p> <p>In addition, on information and belief, the Twitter Product has passive time registers corresponding to</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that passive time registers are used throughout the Twitter Product. The passive time registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the passive time registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
11	<p>a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways; and</p>	<p>The plurality of registers includes a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways.</p> <p>For example, the “created_at” register corresponding to the user identifies times at which the container may interact with other containers, processes, systems and/or gateways in order to, for example, enable other users to send messages to the user, follow the user, etc.</p> <p>In another example, the “created_at” register corresponding to the status update identifies times at which the container may interact with other containers, processes, systems and/or gateways in order to, for example, display the status update, retweet the status update, respond to the status update, post the user’s status update, and to properly order the status update in relation to status updates of the user as well as other users.</p> <p>In addition, on information and belief, the Twitter Product has neutral time registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that neutral time registers are used throughout the Twitter Product. The neutral time registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p>


Element	U.S. Patent No. 7,010,536	The Twitter Product
1J	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>It is believed that the structure and operation of the neutral time registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Twitter Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>For example, an executable computer algorithm or set of algorithms is attached to the container, and controls the interaction of the container with other containers, systems or processes in order to process information regarding Twitter users, “tweets” or status updates, retweets, followers, user mentions, favorites, sites, accounts, places, locations, messages, queries, media, entities, and lists.</p> <p>In addition, on information and belief, the Twitter Product has gateways corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that gateways are used throughout the Twitter Product. The gateways corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>



Element	U.S. Patent No. 7,010,536	The Twitter Product
2A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>The Twitter Product is an apparatus for transmitting, receiving and manipulating information on a computer system. In particular, the Twitter Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Twitter. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Twitter Product includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the Twitter Product. The containers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2C	an information element having information;	<p>Each container of the Twitter Product comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that information elements are used throughout the Twitter</p>


Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Each container of the Twitter Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the Twitter Product. The registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2E	a first register for storing a unique container identification value,	<p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
2F	<p>a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space,</p>	<p>Publicly available information indicates that first registers with unique container identification values are used throughout the Twitter Product. The first registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p> <p>For example, in the first “tweet” container shown above, the “georss:point” and “georss:polygon” registers designate space in terms of coordinates.</p> <p>In another example, in the “places” containers shown above, there are registers designating space in terms of coordinates of polygons, country, city, and neighborhood.</p> <p>In another example, in the “status update” containers shown above, the “location” register designates space in terms of city and state.</p> <p>In another example, in the “search query result” container shown above, there are registers designating space in terms of coordinates of polygons, country, and city.</p> <p>These second registers govern interactions of the containers with other containers, systems or processes according to utility of information in the information elements relative to an external-to-the-apparatus three-dimensional space in order to, for example, display the location in which a status update was posted, and to deliver location-specific trends and status updates:</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
<p data-bbox="224 777 256 1459"><b>How does Twitter use my location information?</b></p> <ul data-bbox="297 241 544 1417" style="list-style-type: none"> <li data-bbox="297 241 354 1417">• Tweeting with your location allows you to selectively add location information to your Tweets. <b>This feature is off by default and you will need to opt-in to use it.</b></li> <li data-bbox="358 241 544 1417">• Once you've <a href="#">opted in to this feature</a>, Twitter will be able to: <ul data-bbox="391 241 544 1354" style="list-style-type: none"> <li data-bbox="391 241 483 1354">◦ Show your followers the location you are tweeting from as part of your Tweet. You can control this setting on a per-Tweet basis. (<b>Note:</b> Some third-party applications will let you tweet with your exact address or coordinates.)</li> <li data-bbox="488 241 544 1354">◦ Enable delivery of location-specific trends and Tweets, that are personalized for your location, when accessing Twitter via a mobile device. <a href="#">Learn more.</a></li> </ul> </li> </ul> <p data-bbox="618 1291 646 1459">(EV0003385.)</p> <div data-bbox="686 703 1356 1459"> <h2 data-bbox="699 1165 760 1459">Targeting</h2> <p data-bbox="776 892 808 1459">Target by interest, geography and more.</p> <p data-bbox="922 1102 979 1459">Target just the right slice of the 200 million active users on Twitter.</p> <p data-bbox="1008 1165 1065 1459"><b>Advertisers can target their account and Tweets by:</b></p> <ul data-bbox="1105 1123 1279 1459" style="list-style-type: none"> <li data-bbox="1105 1354 1133 1459">• Interest</li> <li data-bbox="1154 1312 1182 1459">• Geography</li> <li data-bbox="1203 1354 1230 1459">• Gender</li> <li data-bbox="1252 1123 1279 1459">• Similarity to existing followers</li> </ul> <p data-bbox="1320 1291 1347 1459">(EV0003388.)</p>  </div>		


Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p data-bbox="228 1050 277 1451"><b>Target by geography.</b></p> <p data-bbox="321 1031 542 1451">Twitter is used in nearly every country in the world and is available in more than 33 languages. Reach a global audience or one that's hyper-local. We have tools for targeting by country or metro area.</p> <p data-bbox="602 1285 634 1465">(EV0003388.)</p> <p data-bbox="675 247 740 1465">In addition, on information and belief, the Twitter Product has second registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p data-bbox="781 180 878 1465">Publicly available information indicates that second registers are used throughout the Twitter Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p data-bbox="919 144 1016 1465">It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p data-bbox="1057 155 1227 1465">Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2G	<p data-bbox="1239 1528 1474 1822">an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways,</p>	<p data-bbox="1239 197 1304 1465">The plurality of registers includes an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways.</p> <p data-bbox="1344 186 1442 1465">For example, the active space register identifies space in which the container will act upon other containers, processes, systems or gateways in order to add geographical location information to users' status updates:</p>


Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><b>How does Twitter use my location information?</b></p> <ul style="list-style-type: none"> <li>• Tweeting with your location allows you to selectively add location information to your Tweets. <b>This feature is off by default and you will need to opt-in to use it.</b></li> <li>• Once you've <u>opted in to this feature</u>, Twitter will be able to: <ul style="list-style-type: none"> <li>◦ Show your followers the location you are tweeting from as part of your Tweet. You can control this setting on a per-Tweet basis. (<b>Note:</b> Some third-party applications will let you tweet with your exact address or coordinates.)</li> <li>◦ Enable delivery of location-specific trends and Tweets, that are personalized for your location, when accessing Twitter via a mobile device. <a href="#">Learn more.</a></li> </ul> </li> </ul> <p>(EV0003385.)</p> <p>In addition, on information and belief, the Twitter Product has active space registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that active space registers are used throughout the Twitter Product. The active space registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the active space registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2H	a passive register for identifying space in which the container can be acted upon by other containers, processes, systems or gateways,	<p>The plurality of registers includes a passive register for identifying space in which the container can be acted upon other containers, processes, systems or gateways.</p> <p>For example, the passive register identifies space in which the container can be acted upon by other containers, processes, systems, and/or gateways in order to, among other things, target trends, tweets, and advertisements to users based on location:</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
<p data-bbox="261 779 293 1461"><b>How does Twitter use my location information?</b></p> <ul data-bbox="331 239 581 1423" style="list-style-type: none"> <li data-bbox="331 239 391 1423">• Tweeting with your location allows you to selectively add location information to your Tweets. <b>This feature is off by default and you will need to opt-in to use it.</b></li> <li data-bbox="396 716 423 1423">• Once you've <a href="#">opted in to this feature</a>, Twitter will be able to: <ul data-bbox="428 239 581 1352" style="list-style-type: none"> <li data-bbox="428 239 488 1352">◦ Show your followers the location you are tweeting from as part of your Tweet. You can control this setting on a per-Tweet basis. (<b>Note:</b> Some third-party applications will let you tweet with your exact address or coordinates.)</li> <li data-bbox="493 239 581 1352">◦ Enable delivery of location-specific trends and Tweets, that are personalized for your location, when accessing Twitter via a mobile device. <a href="#">Learn more.</a></li> </ul> </li> </ul> <p data-bbox="651 1289 683 1465">(EV0003385.)</p> <div data-bbox="721 701 1317 1480"> <h2 data-bbox="737 1163 797 1461">Targeting</h2> <p data-bbox="813 890 846 1461">Target by interest, geography and more.</p> <p data-bbox="954 1100 1013 1461">Target just the right slice of the 200 million active users on Twitter.</p> <p data-bbox="1040 1163 1099 1461"><b>Advertisers can target their account and Tweets by:</b></p> <ul data-bbox="1143 1121 1312 1461" style="list-style-type: none"> <li data-bbox="1143 1352 1164 1461">• Interest</li> <li data-bbox="1192 1310 1213 1461">• Geography</li> <li data-bbox="1240 1352 1261 1461">• Gender</li> <li data-bbox="1289 1121 1312 1461">• Similarity to existing followers</li> </ul>  <p data-bbox="1354 1289 1386 1465">(EV0003388.)</p> </div>		


Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p data-bbox="228 1050 277 1451"><b>Target by geography.</b></p> <p data-bbox="318 1031 542 1451">Twitter is used in nearly every country in the world and is available in more than 33 languages. Reach a global audience or one that's hyper-local. We have tools for targeting by country or metro area.</p> <p data-bbox="602 1287 634 1465">(EV0003388.)</p> <p data-bbox="675 243 740 1465">In addition, on information and belief, the Twitter Product has passive registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p data-bbox="781 176 878 1465">Publicly available information indicates that passive registers are used throughout the Twitter Product. The passive registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p data-bbox="919 155 1016 1465">It is believed that the structure and operation of the passive registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p data-bbox="1057 155 1227 1465">Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2I	a neutral space register for identifying space in which the container may interact with other containers, processes, systems, or gateways; and	The plurality of registers includes a neutral space register for identifying space in which the container may interact with other containers, processes, systems or gateways, and add geographical location information to users' status updates:



Element	U.S. Patent No. 7,010,536	The Twitter Product
<p data-bbox="224 777 256 1459"><b>How does Twitter use my location information?</b></p> <ul data-bbox="293 241 544 1417" style="list-style-type: none"> <li data-bbox="293 241 354 1417">• Tweeting with your location allows you to selectively add location information to your Tweets. <b>This feature is off by default and you will need to opt-in to use it.</b></li> <li data-bbox="358 241 483 1417">• Once you've <a href="#">opted in to this feature</a>, Twitter will be able to: <ul data-bbox="391 241 544 1354" style="list-style-type: none"> <li data-bbox="391 241 483 1354">◦ Show your followers the location you are tweeting from as part of your Tweet. You can control this setting on a per-Tweet basis. (<b>Note:</b> Some third-party applications will let you tweet with your exact address or coordinates.)</li> <li data-bbox="488 241 544 1354">◦ Enable delivery of location-specific trends and Tweets, that are personalized for your location, when accessing Twitter via a mobile device. <a href="#">Learn more.</a></li> </ul> </li> </ul> <p data-bbox="618 1291 646 1459">(EV0003385.)</p> <div data-bbox="690 703 1356 1459"> <h2 data-bbox="699 1165 760 1459">Targeting</h2> <p data-bbox="776 892 808 1459">Target by interest, geography and more.</p> <p data-bbox="922 1102 982 1459">Target just the right slice of the 200 million active users on Twitter.</p> <p data-bbox="1008 1165 1068 1459"><b>Advertisers can target their account and Tweets by:</b></p> <ul data-bbox="1105 1123 1279 1459" style="list-style-type: none"> <li data-bbox="1105 1354 1133 1459">• Interest</li> <li data-bbox="1154 1312 1182 1459">• Geography</li> <li data-bbox="1203 1354 1230 1459">• Gender</li> <li data-bbox="1252 1123 1279 1459">• Similarity to existing followers</li> </ul> <p data-bbox="1323 1291 1351 1459">(EV0003388.)</p>  </div>		

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p data-bbox="228 1050 277 1451"><b>Target by geography.</b></p> <p data-bbox="321 1026 542 1451">Twitter is used in nearly every country in the world and is available in more than 33 languages. Reach a global audience or one that's hyper-local. We have tools for targeting by country or metro area.</p>  <p data-bbox="602 1285 631 1465">(EV0003388.)</p> <p data-bbox="675 165 740 1465">In addition, on information and belief, the Twitter Product has neutral space registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p data-bbox="781 212 911 1465">Publicly available information indicates that neutral space registers are used throughout the Twitter Product. The neutral space registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p data-bbox="954 153 1052 1465">It is believed that the structure and operation of the neutral space registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p data-bbox="1096 153 1258 1465">Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2J	a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems	<p data-bbox="1274 212 1372 1465">Each container of the Twitter Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p data-bbox="1414 153 1474 1465">(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536 or processes.	The Twitter Product
		<p>Publicly available information indicates that gateways are used throughout the Twitter Product. The gateways corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
3	The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems or processes, the container history register being modifiable.</p> <p>For example, the Twitter Product stores historical information in registers such as “followers_count”, “friends_count”, “created_at”, “listed_count”, “georss:point”, “retweet_count”, “favorite”, “statuses_count”, “favourites_count”, etc. The information in these registers corresponds to historical interaction of the containers of the Twitter Product reflecting the activities of Twitter’s users, such as</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
	<p>or processes, the container history register being modifiable.</p>	<p>following, friending, retweeting, listing, posting from a location, etc.</p> <p>In addition, the container history register is modifiable. For example, the container history register can be updated to account for additional activities of Twitter's users, such as following, friending, retweeting, listing, posting from a location, etc.</p> <p>In addition, on information and belief, the Twitter Product has container history registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p><b>Follower growth chart.</b></p> <p>It's simple. Keep track of the growth of your follower base, both those that you've gained on your own and those that you've gained through Promoted Accounts.</p>  <p>(EV0003963-4.)</p> <p>Publicly available information indicates that container history registers are used throughout the Twitter Product. The container history registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the container history registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
4	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one system history register for storing information regarding past interaction of the container with different operating system and network processes.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one system history register for storing information regarding past interaction of the container with different operating system and network processes.</p> <p>For example, the Twitter Product stores historical information in registers such as “followers_count”, “friends_count”, “created_at”, “listed_count”, “georss:point”, “retweet_count”, “favorite”, “statuses_count”, “favourites_count”, etc. The information in these registers corresponds to past interaction of the container with different operating system and network processes. For instance, these operating system and network processes include the processes that receive and process the Twitter users’ activities such as following, friending, retweeting, listing, posting from a location, etc.</p> <p>In addition, on information and belief, the Twitter Product has a system history register that stores information regarding historical interactions of advertisements with various operating systems that run on consumers’ personal computers and mobile devices:</p>

Element

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### The Twitter Product



(EV003962.)

In addition, on information and belief, the Twitter Product has system history registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.

Publicly available information indicates that system history registers are used throughout the Twitter Product. The system history registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <https://dev.twitter.com>.

It is believed that the structure and operation of the system history registers are more fully set forth in

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
5	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p> <p>In particular, Twitter sets default values with certain registers, and enables Twitter users to alter those default values. Many examples of this are described in the Twitter Platform documentation. For example, the “profile_background_color”, “profile_text_color”, “profile_link_color”, “profile_sidebar_fill_color”, “profile_sidebar_border_color”, “profile_background_image_url”, “profile_background_tile”, “profile_use_background_image” registers are predefined because they have default values associated with them. Some or all of these registers are associated with an editor for user selection:</p>

Element

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The Twitter Product

**Design**

Customize the way Twitter looks for you and how your profile looks to others.


**Pick a premade theme**



**Check out Themeleon »**

Thousands of background patterns & color palettes available to customize your Twitter profile.



Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><b>Customize your own</b></p> <p>See your changes instantly; they're not saved until you click "Save changes." <a href="#">Learn more.</a></p>  <p>(EV0003960-61.) In addition, on information and belief, these registers are associated with an editor for selection by Twitter personnel.</p> <p>Further, these registers are appendable to any container. For example, the registers are appendable to the “user” containers.</p> <p>In addition, on information and belief, the Twitter Product has predefined registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that predefined registers are used throughout the Twitter Product. The predefined registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the predefined registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
6	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes a user-created register, the user-created register being generated by the user, and being appendable to any container.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes a user-created register, the user-created register being generated by the user, and being appendable to any container.</p> <p>For example, the “name”, “screen_name”, “location”, “description” and “text” registers are generated by the user, and are appendable to at least the user containers of the Twitter Product.</p> <p>In addition, on information and belief, the Twitter Product has user-created registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that user-created registers are used throughout the Twitter Product. The user-created registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the user-created registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
7	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p> <p>For example, the “id”, “profile_image_url”, “profile_image_url_https”, “verified”, “created_at”, “id”, “place_type”, and “url” registers are set, controlled, and used by the Twitter Product’s computer system.</p> <p>In addition, on information and belief, the Twitter Product has system-defined registers corresponding to advertising containers. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that system-defined registers are used throughout the Twitter Product. The system-defined registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the system-defined registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
8	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>For example, when a Twitter user “mentions” another Twitter user in a “tweet” or status update, containers and container registers of the mentioned Twitter user are added to the status update container. As shown below, the “name”, “id_str”, “id”, and “screen_name” registers corresponding to Micah McVicker have been added to the status update container because Mr. McVicker was mentioned in the status update:</p>

Element

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The Twitter Product

```
"status": {
  "coordinates": null,
  "favorited": false,
  "truncated": false,
  "created_at": "Tue Apr 17 16:38:18 +0000 2012",
  "id_str": "192290470427246594",
  "entities": {
    "urls": [
    ],
    "hashtags": [
    ],
    "user_mentions": [
    ],
    "name": "Micah McVicker",
    "id_str": "166661446",
    "id": 166661446,
    "indices": [
      0,
      14
    ],
    "screen_name": "MicahMcVicker"
  ]
},
"in_reply_to_user_id_str": "166661446",
"contributors": null,
"text": "@MicahMcVicker make sure you're using include_rts=true and no other filters, then walking your timeline by since id and max_id",
"retweet_count": 0,
"in_reply_to_status_id_str": "192290470427246594",
"id": 192290470427246594,
"geo": null,
"retweeted": false,
"in_reply_to_user_id": 166661446,
"place": null,
"in_reply_to_screen_name": "MicahMcVicker",
"source": "<a href='\"http://sites.google.com/site/yourufukurou/\" rel='\"nofollow\">Yorufukurou</a>",
"in_reply_to_status_id": 192290470427246594
},
```

(EV0003235.)

In addition, user containers and user registers are acquired when Twitter users retweet other users' "tweets" or status updates.

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><b>current_user_retweet</b>    Object    <i>Perspectival.</i> Only surfaces on methods supporting the <code>include_my_retweet</code> parameter, when set to true. Details the Tweet ID of the user's own retweet (if existent) of this Tweet.</p> <p>Example:</p> <pre>"current_user_retweet": {   "id": 26815871309,   "id_str": "26815871309" }</pre> <p>(EV0003235.)</p> <p>In addition, on information and belief, the Twitter Product has acquire registers corresponding to advertising containers. Twitter's advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that acquire registers are used throughout the Twitter Product. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
9	<p>The apparatus of claim 1 or 2, wherein the gateway includes means for acting upon another container, the means for acting upon another container using the plurality of registers</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the gateway includes means for acting upon another container, the means for acting upon another container using the plurality of registers to determine whether and how the container acts upon other containers.</p> <p>For example, the gateways of the status update, user, place, and search query containers include algorithms for acting on the other status update, user, place, and search query containers.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
	<p>to determine whether and how the container acts upon other containers.</p>	<p>By enabling actions on other containers, the gateways of the Twitter Product enable various features of the Twitter Product, including without limitation the interaction of Twitter users with other users, status updates, and places, and the processing of queries.</p> <p>In addition, on information and belief, the Twitter Product’s advertising features satisfy this limitation. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that gateways and registers are used throughout the Twitter Product. The gateways and registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways and registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
10	<p>The apparatus of claim 1 or 2, wherein the gateway includes means for allowing interaction, the means for allowing interaction, the plurality of registers to determine whether and how another container can act upon the container.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see</i> above.) In addition, with respect to both claims 1 and 2, the gateway includes means for allowing interaction, the means for allowing interaction using the plurality of registers to determine whether and how another container can act upon the container.</p> <p>For example, the gateways of the status update, user, place, and search query containers include means for allowing interaction between and among containers. In order to allow interaction, the plurality of registers corresponding to these containers is used to determine whether and how containers can act upon other containers.</p> <p>For example, the “contributors_enabled” register of the “User” container is used to determine whether and how another user or status update container can act upon the container in order to enable other users to post status updates.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>In another example, the “geo_enabled” register of the user container is used to determine whether and how containers corresponding to geographical locations can act upon with the container in order to enable such locations to be communicated along with the user’s status updates.</p> <p>In addition, on information and belief, the Twitter Product’s advertising features satisfy this limitation. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that gateways and registers are used throughout the Twitter Product. The gateways and registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways and registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
11	<p>The apparatus of claim 1 or 2, wherein the gateway includes means for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with the container.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the gateway includes means for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with the container.</p> <p>For example, in order to create the status update container below, one or more algorithms of the Twitter Product gathered information by recording register information from at least a user container, system, and/or processes:</p>

Element

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The Twitter Product

```
"status": {
  "coordinates": null,
  "favorited": false,
  "truncated": false,
  "created_at": "Tue Apr 17 16:38:18 +0000 2012",
  "id_str": "192290470427246594",
  "entities": {
    "urls": [
    ],
    "hashtags": [
    ],
  },
  "user_mentions": [
  ],
  {
    "name": "Micah McVicker",
    "id_str": "166661446",
    "id": 166661446,
    "indices": [
      0,
      14
    ],
    "screen_name": "MicahMcVicker"
  }
  ],
  "in_reply_to_user_id_str": "166661446",
  "contributors": null,
  "text": "@MicahMcVicker make sure you're using
include rts=true and no other filters, then walking your
timeline by since_id and max_id",
  "retweet_count": 0,
  "in_reply_to_status_id_str": "192290470427246594",
  "id": 192290470427246594,
  "geo": null,
  "retweeted": false,
  "in_reply_to_user_id": 166661446,
  "place": null,
  "in_reply_to_screen_name": "MicahMcVicker",
  "source": "<a
href='\"http://sites.google.com/site/yourufukou/\
rel='\"nofollow\">Yorufukou</a>",
  "in_reply_to_status_id": 192290470427246594
  },
}
```

(EV0003235.)

In addition, register information of user registers are recorded when Twitter users retweet other users' "tweets" or status updates.



Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p><b>current_user_retweet</b>    Object    <i>Perspectival.</i> Only surfaces on methods supporting the <code>include_my_retweet</code> parameter, when set to true. Details the Tweet ID of the user's own retweet (if existent) of this Tweet.</p> <p>Example:</p> <pre>"current_user_retweet": {   "id": 26815871309,   "id_str": "26815871309" }</pre> <p>(EV0003235.)</p> <p>In addition, on information and belief, the Twitter Product's advertising features satisfy this limitation. Twitter's advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that gateways and registers are used throughout the Twitter Product. The gateways and registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways and registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
12	The apparatus of claim 1 or 2, wherein the gateway includes means for reporting information, the means for reporting information providing register information to	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the gateway includes means for reporting information, the means for reporting information providing register information to other containers, systems or processes that interact with the container.</p> <p>For example, in order to report information regarding the user Micha McVicker below, one or more algorithms of the Twitter Product provide register information of at least a user container, system, and/or processes:</p>

Element

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other containers, systems or processes that interact with the container.

The Twitter Product

```
"status": {
  "coordinates": null,
  "favorited": false,
  "truncated": false,
  "created_at": "Tue Apr 17 16:38:18 +0000 2012",
  "id_str": "192290470427246594",
  "entities": {
    "urls": [
    ],
    "hashtags": [
    ],
    "user_mentions": [
      {
        "name": "Micah McVicker",
        "id_str": "166661446",
        "id": 166661446,
        "indices": [
          0,
          14
        ],
        "screen_name": "MicahMcVicker"
      }
    ],
    "in_reply_to_user_id_str": "166661446",
    "contributors": null,
    "text": "@MicahMcVicker make sure you're using include_rts=true and no other filters, then walking your timeline by since_id and max_id",
    "retweet count": 0,
    "in_reply_to_status_id_str": "192290470427246594",
    "id": 192290470427246594,
    "geo": null,
    "retweeted": false,
    "in_reply_to_user_id": 166661446,
    "place": null,
    "in_reply_to_screen_name": "MicahMcVicker",
    "source": "<a href='\"http://sites.google.com/site/yourufukou\"' rel='\"nofollow\"'>Yourufukou</a>",
    "in_reply_to_status_id": 192290470427246594
  },
}
```

(EV0003235.)

In addition, in the example below, one or more algorithms of the Twitter Product provided register

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>information of at least a user container, system, and/or processes:</p> <p><code>current_user_retweet</code>    Object    <i>Perspectival.</i> Only surfaces on methods supporting the <code>include_my_retweet</code> parameter, when set to true. Details the Tweet ID of the user's own retweet (if existent) of this Tweet.</p> <p>Example:</p> <pre>"current_user_retweet": {   "id": 26815871309,   "id_str": "26815871309" }</pre> <p>(EV0003235.)</p> <p>Publicly available information indicates that gateways and registers are used throughout the Twitter Product. The gateways and registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways and registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
13	The apparatus[us] of claim 1 or 2, wherein the gateway includes an expert system including rules defining the interaction of the container with other containers, systems or processes.	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, and on information and belief, the gateway includes an expert system including rules defining the interaction of the container with other containers, systems or processes.</p> <p>For example, on information and belief, the gateway of the Twitter Product includes an expert system including rules defining the interaction of users, advertisements, and status update containers between and among each other in order to, for example, select advertisements to be displayed to users based on information regarding those users and their status updates, and information regarding the advertisement or advertising campaign.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>Publicly available information indicates that expert systems and gateways are used throughout the Twitter Product. The expert systems and gateways corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the expert systems and gateways are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
14	<p>The apparatus of claim 1 or 2, wherein the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p>	<p>The Twitter Product infringes claim 1 and claim 2 (<i>see above</i>.) In addition, with respect to both claims 1 and 2, the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p> <p>For example, the containers identified above include information elements that are text (e.g., “Fannie Mae”), digital patterns (e.g., “806062790), a nested container (e.g., “status”), graphic images (e.g., the profile image), a video (e.g., a video corresponding to the “media_url” register), a bit (e.g., “1” or “0”), and a natural number (e.g., “2”).</p> <p>In addition, on information and belief, the Twitter Product’s advertising features satisfy this limitation. Twitter’s advertising API, however, is not publicly available.</p> <p>Publicly available information indicates that information elements are used throughout the Twitter Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15A	<p>An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including</p>	<p>The Twitter Product is an apparatus for transmitting, receiving and manipulating information on a computer system. In particular, the Twitter Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Twitter. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15B	<p>a plurality of containers, each container being a logically defined data enclosure and comprising:</p>	<p>The Twitter Product includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the Twitter Product. The containers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
15C	an information element having information;	<p>instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Twitter Product comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that information elements are used throughout the Twitter Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Each container of the Twitter Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the Twitter Product. The registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
15E	a first register for storing a unique container identification value,	<p>instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a first register for storing a unique container identification value. (See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that first registers with unique identification values are used throughout the Twitter Product. The first registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>(See the discussion presented for claim element 1F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the Twitter Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right</p>
15F	a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time, and	<p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>(See the discussion presented for claim element 1F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the Twitter Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15G	<p>at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them; and</p>	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim element 8, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that acquire registers are used throughout the Twitter Product. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of the Twitter Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that gateways are used throughout the Twitter Product. The gateways corresponding to the above evidence are only examples. Other examples are described in the</p>



Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>The Twitter Product is an apparatus for transmitting, receiving and manipulating information on a computer system. In particular, the Twitter Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Twitter. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Twitter Product includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>(See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the Twitter Product. The containers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
16C	an information element having information;	<p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Twitter Product comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that information elements are used throughout the Twitter Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Each container of the Twitter Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the Twitter Product. The registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16E	<p>a first register for storing a unique container identification value,</p>	<p>The plurality of registers includes a first register for storing a unique container identification value. (See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that first registers with unique container identification values are used throughout the Twitter Product. The first registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16F	<p>a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-</p>	<p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space. (See the discussion presented for claim element 2F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the Twitter Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
	the-apparatus three dimensional space, and	<p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16G	<p>at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them;</p> <p>and</p>	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim element 8, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that acquire registers are used throughout the Twitter Product. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of the Twitter Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	The Twitter Product
		<p>Publicly available information indicates that gateways are used throughout the Twitter Product. The gateways corresponding to the above evidence are only examples. Other examples are described in the Twitter Platform documentation, currently available at <a href="https://dev.twitter.com">https://dev.twitter.com</a>.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the Twitter Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or modify this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>

## Exhibit Q

### Infringement of U.S. Patent No. 7,010,536 by Yelp, Inc.

Subject to ongoing discovery and investigation, Evolutionary Intelligence identifies the following accused instrumentalities of Yelp, Inc.: the Yelp online urban city guide and business review product and service, accessible at least through yelp.com and mobile applications (the “Yelp Product”).

Evolutionary Intelligence’s identification of these accused instrumentalities is based on publicly available information. Evolutionary Intelligence has not yet had any discovery from Yelp. Evolutionary Intelligence reserves its right to seek discovery regarding other products and services offered by Yelp (including other functionality and features of the Yelp Product), and to identify additional accused instrumentalities based on that discovery and further investigation.

The discussion in the claim chart below with respect to some of the claim elements occasionally refers to and/or incorporates by reference discussion and evidence pertaining to other claim elements. Such incorporation by reference shall not be read to imply that any two claim elements have the same claim scope. Rather, such incorporation by reference is used when two or more claim elements are sufficiently similar that repeating the relevant discussion and evidence would be unnecessarily cumbersome and redundant.

Subject to ongoing discovery and investigation, Evolutionary Intelligence contends, pursuant to P.R. 3-1(c), that each element of each infringed claim is found within each accused instrumentality as shown below:

Element	U.S. Patent No. 7,010,536	The Yelp Product
1A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>The Yelp Product is an apparatus for transmitting, receiving and manipulating information on a computer system.</p> <p>In particular, the Yelp Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Yelp. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Yelp Product includes a plurality of containers, each container being a logically defined data enclosure.</p> <p>An example of a Yelp Product container is “Business”:</p>

**Element**

**U.S. Patent  
No. 7,010,536**

**The Yelp Product**

Business:

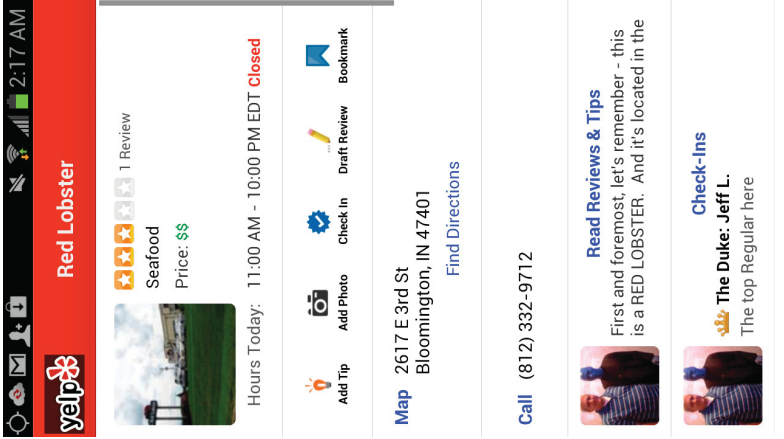
Name	Type	Definition
id	string	Yelp ID for this business
is_claimed	bool	Whether business has been claimed by a business owner
is_closed	bool	Whether business has been (permanently) closed
name	string	Name of this business
image_url	string	URL of photo for this business
url	string	URL for business page on Yelp
mobile_url	string	URL for mobile business page on Yelp
phone	string	Phone number for this business with international dialing code (e.g. +44207946000)
display_phone	string	Phone number for this business formatted for display
review_count	number	Number of reviews for this business
categories	list	Provides a list of category name, alias pairs that this business is associated with. For example, [{"Local Flavor", "LocalFlavor"}, {"Active Life", "active"}, {"Mass Media", "massmedia"}]. The alias is provided so you can search with the category_filler.
distance	number	Distance that business is from search location in meters, if a latitude/longitude is specified.
rating	number	Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)
rating_img_url	string	URL to star rating image for this business (size = 84x17)
rating_img_url_small	string	URL to small version of rating image for this business (size = 50x10)
rating_img_url_large	string	URL to large version of rating image for this business (size = 166x30)
snippet_text	string	Snippet text associated with this business
snippet_image_url	string	URL of snippet image associated with this business
location	dict	Location data for this business
location.coordinate	dict	Coordinates for this business
location.coordinate.latitude	number	Latitude for this business
location.coordinate.longitude	number	Longitude for this business
location.address	list	Address for this business. Only includes address fields.
location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.
location.city	string	City for this business
location.state_code	string	ISO 3166-2 state code for this business
location.postal_code	string	Postal code for this business
location.country_code	string	ISO 3166-1 country code for this business
location.cross_streets	string	Cross streets for this business
location.neighborhoods	list	List that provides neighborhood(s) information for business
location.geo_accuracy	number	Contains a value that corresponds to the accuracy with which the latitude / longitude was determined in the geocoder. These correspond to Google's GGeoAddressAccuracy field.
deals	list	Deal info for this business (optional: this field is present only if there's a Deal)



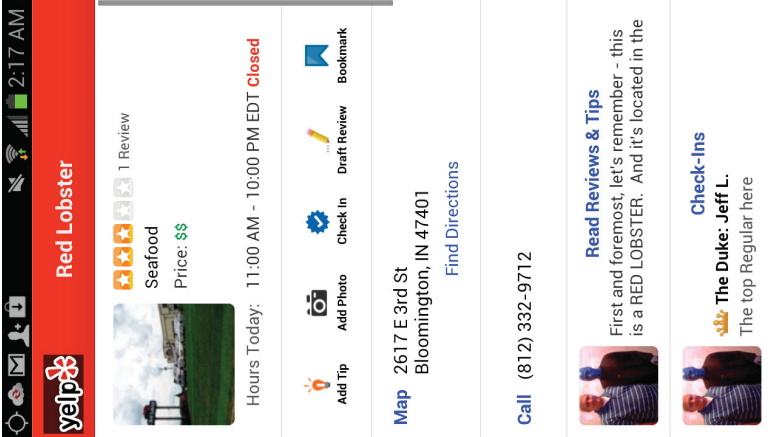
Element	U.S. Patent No. 7,010,536	The Yelp Product																																																													
		<table border="1"> <tr><td>deals.id</td><td>string</td><td>Deal Identifier</td></tr> <tr><td>deals.title</td><td>string</td><td>Deal title</td></tr> <tr><td>deals.uri</td><td>url</td><td>Deal uri</td></tr> <tr><td>deals.image_url</td><td>url</td><td>Deal image uri</td></tr> <tr><td>deals.currency_code</td><td>string</td><td>ISO_4217 Currency Code</td></tr> <tr><td>deals.time_start</td><td>number</td><td>Deal start time (Unix timestamp)</td></tr> <tr><td>deals.time_end</td><td>number</td><td>Deal end time (optional: this field is present only if the Deal ends)</td></tr> <tr><td>deals.is_popular</td><td>bool</td><td>Whether the Deal is popular (optional: this field is present only if true)</td></tr> <tr><td>deals.what_you_get</td><td>string</td><td>Additional details for the Deal, separated by newlines</td></tr> <tr><td>deals.important_restrictions</td><td>string</td><td>Important restrictions for the Deal, separated by newlines</td></tr> <tr><td>deals.additional_restrictions</td><td>string</td><td>Deal additional restrictions</td></tr> <tr><td>deals.options</td><td>list</td><td>Deal options</td></tr> <tr><td>deals.options.title</td><td>string</td><td>Deal option title</td></tr> <tr><td>deals.options.purchase_url</td><td>url</td><td>Deal option url for purchase</td></tr> <tr><td>deals.options.price</td><td>number</td><td>Deal option price (in cents)</td></tr> <tr><td>deals.options.formatted_price</td><td>string</td><td>Deal option price (formatted, e.g. "\$6")</td></tr> <tr><td>deals.options.original_price</td><td>number</td><td>Deal option original price (in cents)</td></tr> <tr><td>deals.options.formatted_original_price</td><td>string</td><td>Deal option original price (formatted, e.g. "\$12")</td></tr> <tr><td>deals.options.is_quantity_limited</td><td>bool</td><td>Whether the deal option is limited or unlimited</td></tr> <tr><td>deals.options.remaining_count</td><td>number</td><td>The remaining deal options available for purchase (optional: this field is only present if the deal is limited)</td></tr> </table>	deals.id	string	Deal Identifier	deals.title	string	Deal title	deals.uri	url	Deal uri	deals.image_url	url	Deal image uri	deals.currency_code	string	ISO_4217 Currency Code	deals.time_start	number	Deal start time (Unix timestamp)	deals.time_end	number	Deal end time (optional: this field is present only if the Deal ends)	deals.is_popular	bool	Whether the Deal is popular (optional: this field is present only if true)	deals.what_you_get	string	Additional details for the Deal, separated by newlines	deals.important_restrictions	string	Important restrictions for the Deal, separated by newlines	deals.additional_restrictions	string	Deal additional restrictions	deals.options	list	Deal options	deals.options.title	string	Deal option title	deals.options.purchase_url	url	Deal option url for purchase	deals.options.price	number	Deal option price (in cents)	deals.options.formatted_price	string	Deal option price (formatted, e.g. "\$6")	deals.options.original_price	number	Deal option original price (in cents)	deals.options.formatted_original_price	string	Deal option original price (formatted, e.g. "\$12")	deals.options.is_quantity_limited	bool	Whether the deal option is limited or unlimited	deals.options.remaining_count	number	The remaining deal options available for purchase (optional: this field is only present if the deal is limited)	
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<p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>)</p> <p>An exemplar "Business" container is as follows:</p>																																																															

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<pre> {   "categories": [     {       "indian",       "indpak"     },     {       "pakistani",       "pakistani"     }   ],   "deals": [     {       "currency_code": "USD",       "image_url": "http://s3-media4.ak.yelpcdn.com/dphoto/sh0Gf5qi-52HwF1KyZTz3w/m.jpg",       "options": [         {           "formatted_original_price": "\$20",           "formatted_price": "\$10",           "is_quantity_limited": true,           "original_price": 20000,           "price": 10000,           "purchase_url": "http://www.yelp.com/deal/cc24cc0GfH8mowfu5Vbe00/view",           "remaining_count": 36,           "title": "\$10 for \$20 voucher"         }       ],       "currency_code": "USD",       "url": "http://www.yelp.com/biz/urban-curry-san-francisco?deal=1",       "is_popular": true,       "time_start": 1317414369,       "title": "\$10 for \$20 voucher"     }   ],   "display_phone": "+1-415-677-9744",   "id": "urban-curry-san-francisco",   "image_url": "http://s3-media4.ak.yelpcdn.com/bphoto/Hv5vswpgeaUkepr9nffjnw/ms.jpg",   "is_claimed": true,   "is_closed": false,   "location": {     "address": {       "523 Broadway"     },     "city": "San Francisco",     "coordinate": {       "latitude": 37.797745900000002,       "longitude": -122.40586399999999     },     "country_code": "US",     "cross_streets": "Kearny St &amp; Romolo Pl",     "display_address": [       "523 Broadway",       "(b/t Kearny St &amp; Romolo Pl)",       "North Beach/Telegraph Hill",       "San Francisco, CA 94133"     ],     "geo_accuracy": 8,     "neighborhoods": [       "North Beach/Telegraph Hill"     ]   }, } </pre>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<pre> "postal_code": "94133", "state_code": "CA" }, "mobile_url": "http://m.yelp.com/biz/EFJanaq2fosIM--mML49g", "name": "Urban Curry", "phone": "4156779744", "rating": 4.0, "rating_img_url": "http://media2.ak.yelpcdn.com/static/201012164084228337/img/ico/stars/stars_4.png", "rating_img_url_large": "http://media4.ak.yelpcdn.com/static/20101216169592178/img/ico/stars/stars_4.png", "rating_img_url_small": "http://media2.ak.yelpcdn.com/static/20101216418129184/img/ico/stars/stars_4.png", "review_count": 227, "reviews": [ { "excerpt": "I gave this restaurant two stars just because of the extremely quick delivery and fr...", "id": "-RDZXLUTUEXM9002x4hZMHg", "rating": 2, "rating_image_large_url": "http://media2.ak.yelpcdn.com/static/20101216220207235/img/ico/stars/stars_2.png", "rating_image_small_url": "http://media4.ak.yelpcdn.com/static/20101216427829776/img/ico/stars/stars_2.png", "rating_image_url": "http://media4.ak.yelpcdn.com/static/201012163489049252/img/ico/stars/stars_2.png", "time_created": 1317939620, "user": { "id": "AUEDVbF9XNlOcqYOAfR8Yg", "image_url": "http://s3-media2.ak.yelpcdn.com/photo/0CX0RS0z8NKPloto7Ckqdg/ms.jpg", "name": "Holly E." } } ], { "excerpt": "word on the streets!...get the goat!...quick call to check on the goat...goat is avai...", "id": "ZpfqX8FISpdp0-QV18BCFA", "rating": 3, "rating_image_large_url": "http://media3.ak.yelpcdn.com/static/201012161053250406/img/ico/stars/stars_3.png", "rating_image_small_url": "http://media1.ak.yelpcdn.com/static/201012162337205794/img/ico/stars/stars_3.png", "rating_image_url": "http://media1.ak.yelpcdn.com/static/201012161694360749/img/ico/stars/stars_3.png", "time_created": 1317918655, "user": { "id": "JngtG0PpkJyW0vWMOsYEXg", "image_url": "http://s3-media4.ak.yelpcdn.com/photo/On-6060NIAqIS_FfAVWdrg/ms.jpg", "name": "hen a." } } ], { "excerpt": "Urban Curry was okay. Friendly service and quick delivery but the food was very aver...", "id": "FPagv5DRIlPQ2h_Son5N0UA", "rating": 3, "rating_image_large_url": "http://media3.ak.yelpcdn.com/static/201012161053250406/img/ico/stars/stars_3.png", "rating_image_small_url": "http://media1.ak.yelpcdn.com/static/201012162337205794/img/ico/stars/stars_3.png", "rating_image_url": "http://media1.ak.yelpcdn.com/static/201012161694360749/img/ico/stars/stars_3.png", "time_created": 1317746299, "user": { "id": "tZA9UZtmj69tGvIHlMKsg", "image_url": "http://s3-media3.ak.yelpcdn.com/photo/I87X90e6NgcrK0llfBU5-40/ms.jpg", "name": "Chelsea J." } } ], "snippet_image_url": "http://s3-media1.ak.yelpcdn.com/photo/39c5Vpe0FCtZz-rmgAr3Y0/ms.jpg", "snippet_text": "Shame on me for taking so long to update a review.\n\nI have been there several time...", "url": "http://www.yelp.com/biz/urban-curry-san-francisco" } </pre>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<p>(<a href="http://www.yelp.com/developers/documentation/v2/business">http://www.yelp.com/developers/documentation/v2/business</a> (right side clipped).)</p>  <p>(screenshot Android Yelp application.)</p> <p>As another example, the Yelp Product includes a business “Location” container:</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product																																					
		<table border="1"> <tr><td>location</td><td>dict</td><td>Location data for this business</td></tr> <tr><td>location.coordinate</td><td>dict</td><td>Coordinates for this business</td></tr> <tr><td>location.coordinate.latitude</td><td>number</td><td>Latitude for this business</td></tr> <tr><td>location.coordinate.longitude</td><td>number</td><td>Longitude for this business</td></tr> <tr><td>location.address</td><td>list</td><td>Address for this business. Only includes address fields.</td></tr> <tr><td>location.display_address</td><td>list</td><td>Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.</td></tr> <tr><td>location.city</td><td>string</td><td>City for this business</td></tr> <tr><td>location.state_code</td><td>string</td><td>ISO 3166-2 state code for this business</td></tr> <tr><td>location.postal_code</td><td>string</td><td>Postal code for this business</td></tr> <tr><td>location.country_code</td><td>string</td><td>ISO 3166-1 country code for this business</td></tr> <tr><td>location.cross_streets</td><td>string</td><td>Cross streets for this business</td></tr> <tr><td>location.neighborhoods</td><td>list</td><td>List that provides neighborhood(s) information for business</td></tr> </table>	location	dict	Location data for this business	location.coordinate	dict	Coordinates for this business	location.coordinate.latitude	number	Latitude for this business	location.coordinate.longitude	number	Longitude for this business	location.address	list	Address for this business. Only includes address fields.	location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.	location.city	string	City for this business	location.state_code	string	ISO 3166-2 state code for this business	location.postal_code	string	Postal code for this business	location.country_code	string	ISO 3166-1 country code for this business	location.cross_streets	string	Cross streets for this business	location.neighborhoods	list	List that provides neighborhood(s) information for business	<p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>.)</p> <p>Other examples of Yelp’s use of containers are evidenced in publicly available information regarding the Yelp Product. The above evidence contains only examples, and is not exhaustive.</p> <p>It is believed that the structure and operation of the containers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
location	dict	Location data for this business																																					
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location.state_code	string	ISO 3166-2 state code for this business																																					
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location.cross_streets	string	Cross streets for this business																																					
location.neighborhoods	list	List that provides neighborhood(s) information for business																																					
1C	an information	Each container of the Yelp Product comprises an information element having information.																																					

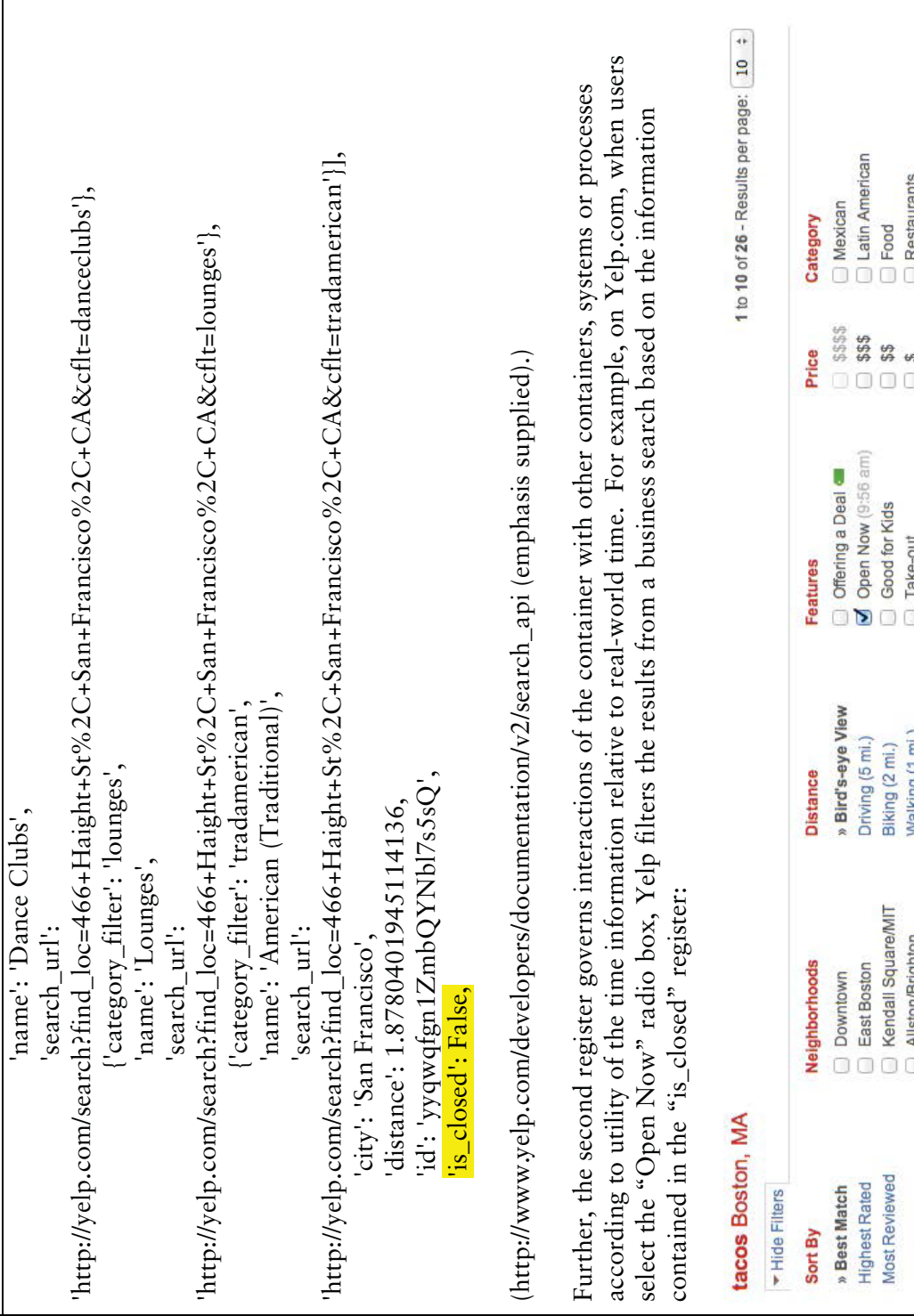
Element	U.S. Patent No. 7,010,536 element having information;	The Yelp Product
		<p>For example, in the “Business” container set forth above, the container has data, text, and images containing information about the Business that is presented to a user as a review.</p>  <p>(screenshot of Android Yelp application.)</p> <p>Publicly available information indicates that information elements are used throughout the Yelp Product. The information elements corresponding to the above evidence are only examples. Other examples available on Yelp’s website, currently available at <a href="http://www.yelp.com">http://www.yelp.com</a>.</p> <p>It is believed that the structure and operation of the information elements are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p>


Element	U.S. Patent No. 7,010,536	The Yelp Product												
1D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Yelp Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>Each container comprises a plurality of registers that form part of the container. Examples of registers in the Yelp “Business” container described above include “id,” “is_claimed,” “is_closed,” etc.</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>string</td> <td>Yelp ID for this business</td> </tr> <tr> <td>is_claimed</td> <td>bool</td> <td>Whether business has been claimed by a business owner</td> </tr> <tr> <td>is_closed</td> <td>bool</td> <td>Whether business has been (permanently) closed</td> </tr> </tbody> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>.)</p> <p>Exemplar registers of the business “Location” container include at least “location.coordinate,” “location.coordinate.latitude,” “location.coordinate.longitude,” etc.:</p>	Name	Type	Definition	id	string	Yelp ID for this business	is_claimed	bool	Whether business has been claimed by a business owner	is_closed	bool	Whether business has been (permanently) closed
Name	Type	Definition												
id	string	Yelp ID for this business												
is_claimed	bool	Whether business has been claimed by a business owner												
is_closed	bool	Whether business has been (permanently) closed												

Element	U.S. Patent No. 7,010,536	The Yelp Product																																					
		<table border="1"> <tr><td>location</td><td>dict</td><td>Location data for this business</td></tr> <tr><td>location.coordinate</td><td>dict</td><td>Coordinates for this business</td></tr> <tr><td>location.coordinate.latitude</td><td>number</td><td>Latitude for this business</td></tr> <tr><td>location.coordinate.longitude</td><td>number</td><td>Longitude for this business</td></tr> <tr><td>location.address</td><td>list</td><td>Address for this business. Only includes address fields.</td></tr> <tr><td>location.display_address</td><td>list</td><td>Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.</td></tr> <tr><td>location.city</td><td>string</td><td>City for this business</td></tr> <tr><td>location.state_code</td><td>string</td><td>ISO 3166-2 state code for this business</td></tr> <tr><td>location.postal_code</td><td>string</td><td>Postal code for this business</td></tr> <tr><td>location.country_code</td><td>string</td><td>ISO 3166-1 country code for this business</td></tr> <tr><td>location.cross_streets</td><td>string</td><td>Cross streets for this business</td></tr> <tr><td>location.neighborhoods</td><td>list</td><td>List that provides neighborhood(s) information for business</td></tr> </table>	location	dict	Location data for this business	location.coordinate	dict	Coordinates for this business	location.coordinate.latitude	number	Latitude for this business	location.coordinate.longitude	number	Longitude for this business	location.address	list	Address for this business. Only includes address fields.	location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.	location.city	string	City for this business	location.state_code	string	ISO 3166-2 state code for this business	location.postal_code	string	Postal code for this business	location.country_code	string	ISO 3166-1 country code for this business	location.cross_streets	string	Cross streets for this business	location.neighborhoods	list	List that provides neighborhood(s) information for business	<p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>)</p> <p>Publicly available information indicates that registers are used throughout the Yelp Product. The registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
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1E	a first register for		The plurality of registers includes a first register for storing a unique container identification value.																																				



Element	U.S. Patent No. 7,010,536	The Yelp Product							
<p>storing a unique container identification value,</p>	<p>For example, in the Yelp “Business” container described above, “id” is the first register for storing a unique container identification value for the business:</p> <table border="1"> <tr> <td>id</td> <td>string</td> <td>Yelp ID for this business</td> </tr> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>.)</p> <p>Publicly available information indicates that first registers with unique container identification values are used throughout the Yelp Product. The first register corresponding to the above evidence is only an only example.</p> <p>It is believed that the structure and operation of the first registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>	id	string	Yelp ID for this business	<p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>For example, the “is_closed” register designates whether the business is open at the external-to-the-apparatus time:</p> <table border="1"> <tr> <td>is_closed</td> <td>node</td> <td>boolean, true if the business is closed</td> <td>1 per business</td> </tr> </table> <pre> {'businesses': [{'address1': '466 Haight St', 'address2': '', 'address3': '', 'avg_rating': 4.0, 'categories': [{'category_filter': 'danceclubs', </pre>	is_closed	node	boolean, true if the business is closed	1 per business
id	string	Yelp ID for this business							
is_closed	node	boolean, true if the business is closed	1 per business						
1F	<p>a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of</p>	<p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>For example, the “is_closed” register designates whether the business is open at the external-to-the-apparatus time:</p>							

Element	U.S. Patent No. 7,010,536	The Yelp Product
<p>information in the information element relative to an external-to-the-apparatus event time,</p>	<p>'name': 'Dance Clubs', 'search_url': 'http://yelp.com/search?find_loc=466+Haight+St%2C+San+Francisco%2C+CA&amp;cflt=danceclubs'}, {'category_filter': 'lounges', 'name': 'Lounges', 'search_url': 'http://yelp.com/search?find_loc=466+Haight+St%2C+San+Francisco%2C+CA&amp;cflt=lounges'}, {'category_filter': 'tradamerican', 'name': 'American (Traditional)', 'search_url': 'http://yelp.com/search?find_loc=466+Haight+St%2C+San+Francisco%2C+CA&amp;cflt=tradamerican'}], 'city': 'San Francisco', 'distance': 1.8780401945114136, 'id': 'yyqwqfgn1ZmbQYNbl7s5sQ', 'is_closed': False,</p> <p>(http://www.yelp.com/developers/documentation/v2/search_api (emphasis supplied).)</p> <p>Further, the second register governs interactions of the container with other containers, systems or processes according to utility of the time information relative to real-world time. For example, on Yelp.com, when users select the “Open Now” radio box, Yelp filters the results from a business search based on the information contained in the “is_closed” register:</p>	 <p>The screenshot shows a search for 'tacos Boston, MA'. The filters are as follows:</p> <ul style="list-style-type: none"> <li><b>Sort By:</b> Best Match (selected), Highest Rated, Most Reviewed</li> <li><b>Neighborhoods:</b> Downtown, East Boston, Kendall Square/MIT, Allston/Brighton (all unselected)</li> <li><b>Distance:</b> Bird's-eye View (selected), Driving (5 mi.), Biking (2 mi.), Walking (1 mi.), Within 4 blocks</li> <li><b>Features:</b> Offering a Deal (unselected), Open Now (9:56 am) (selected), Good for Kids (unselected), Take-out (unselected), More features (dropdown)</li> <li><b>Price:</b> \$\$\$\$ (unselected), \$\$\$ (unselected), \$\$ (unselected), \$ (unselected)</li> <li><b>Category:</b> Mexican (unselected), Latin American (unselected), Food (unselected), Restaurants (unselected)</li> </ul> <p>(screenshot of Yelp.com, taken on 5-14-13.)</p> <p>Publicly available information indicates that time registers are used throughout the Yelp Product. The time</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<p>register corresponding to the above evidence is only an only example.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1G	<p>an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes an active time register for identifying times at which the container will act upon other containers, processes, systems or gateways.</p> <p>For example, the “is_closed” register of the “Business” containers identify times at which the “is_closed” register in the “Business” containers will act upon other containers, processes, systems, and/or gateways of the Yelp Product in order to carry out time-related, calendar-related and/or event-related functionality.</p> <p>For example, on Yelp.com, when users select the “Open Now” radio box, Yelp filters the results from a business search based on the information contained in the “is_closed” register:</p>  <p>The screenshot shows a search for "tacos Boston, MA" on Yelp. The filters are as follows:</p> <ul style="list-style-type: none"> <li><b>Sort By:</b> Best Match (selected), Highest Rated, Most Reviewed</li> <li><b>Neighborhoods:</b> Downtown, East Boston, Kendall Square/MIT, Allston/Brighton, More Neighborhoods</li> <li><b>Distance:</b> Bird's-eye View (selected), Driving (5 mi.), Biking (2 mi.), Walking (1 mi.), Within 4 blocks</li> <li><b>Features:</b> Offering a Deal, Open Now (9:56 am) (checked), Good for Kids, Take-out, More features</li> <li><b>Price:</b> \$\$\$\$ (selected), \$\$\$, \$\$, \$</li> <li><b>Category:</b> Mexican, Latin American, Food, Restaurants</li> </ul> <p>(screenshot of Yelp.com, taken on 5-14-13.)</p> <p>Publicly available information indicates that time registers are used throughout the Yelp Product. The time register corresponding to the above evidence is only an only example.</p>

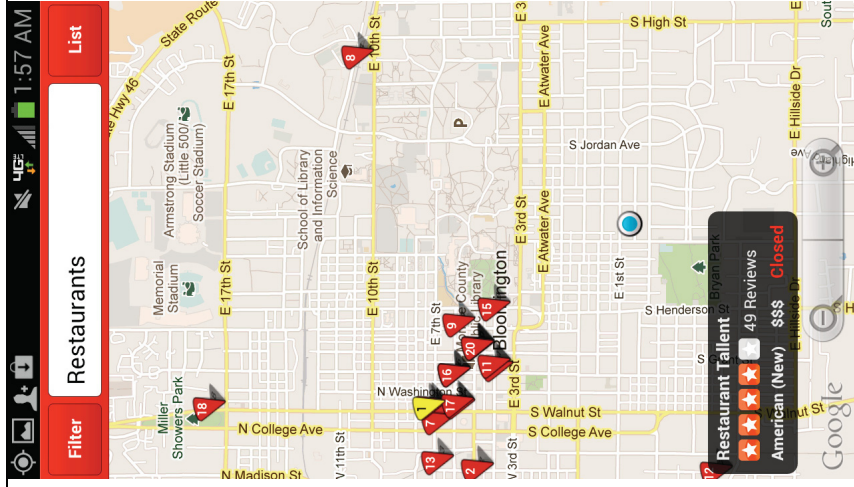
Element	U.S. Patent No. 7,010,536	The Yelp Product
1H	<p>a passive time register for identifying times at which the container can be acted upon by other containers, processes, systems or gateways,</p>	<p>It is believed that the structure and operation of the active time registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a passive time register for identifying times at which the container can be acted upon other containers, processes, systems or gateways.</p> <p>For example, based on information and belief, the Yelp Product contains registers that directly represent time which control whether the “is_closed” registers in the “Business” containers are set to true or false.</p> <p>It is believed that the structure and operation of the passive time registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1I	<p>a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes a neutral time register for identifying times at which the container may interact with other containers, processes, systems or gateways.</p> <p>For example, based on information and belief, the “is_closed” registers of the “Business” containers identify times at which the “is_closed” register in the “Business” containers may interact with other containers, processes, systems, and/or gateways of the Yelp Product in order to carry out time-related, calendar-related and/or event-related functionality.</p> <p>It is believed that the structure and operation of the neutral time registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement</p>

Element	U.S. Patent No. 7,010,536 gateways; and	The Yelp Product
		<p>this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
1J	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of the Yelp Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>For example, a processor and/or memory programmed with executable computer algorithm or set of algorithms (e.g., a processor programmed to execute calls to the Yelp server) is attached to the Yelp “Business” containers and controls the interaction of the “Business” container with other containers, systems or processes in order to, for example, identify businesses of interest that are nearby the user and identify and display reviews for nearby businesses:</p>

Element

U.S. Patent  
No. 7,010,536

The Yelp Product



(screenshot Yelp Android application.)

Element	U.S. Patent No. 7,010,536	The Yelp Product
<div> <p>The screenshot shows the Yelp Android application interface with a filter overlay. The overlay is titled 'Filter' and contains several sections: 'Sort by' with buttons for 'Best Match', 'Distance', and 'Rating'; 'Distance from me' with buttons for '2 blocks', '1 mile', and '5 miles'; and 'Price' with buttons for '\$', '\$\$', '\$\$\$', and '\$\$\$\$'. Below these are buttons for 'Open Now', 'OK', and 'Cancel'. The background shows a list of restaurants, with '1. Restaurant Tailent' and '5. Anyetsang's Little Tibet' visible.</p> </div> <p>(screenshot Yelp Android application.)</p> <p>Publicly available information indicates that gateways are used throughout the Yelp Product. The gateways corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways are fully set forth in the documentation for and source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under</p>		

Element	U.S. Patent No. 7,010,536	The Yelp Product
2A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The Yelp Product is an apparatus for transmitting, receiving and manipulating information on a computer system.</p> <p>In particular, the Yelp Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Yelp. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Yelp Product includes a plurality of containers, each container being a logically defined data enclosure. (See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>It is believed that the structure and operation of the containers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2C	an information element having information;	<p>Each container of the Yelp Product comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>It is believed that the structure and operation of the information elements are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the</p>



Element	U.S. Patent No. 7,010,536	The Yelp Product
2D	a plurality of registers, the plurality of registers forming part of the container and including	<p>accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Yelp Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>It is believed that the structure and operation of the registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2E	a first register for storing a unique container identification value,	<p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p> <p>It is believed that the structure and operation of the first registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2F	a second register having a representation	<p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product																																				
<p>designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space,</p>	<p>For example, in the Yelp business “Location” container described above, at least the following registers designate space: “location,” “location.coordinate,” “location.coordinate.latitude,” “location.coordinate.longitude,” “location.address,” “location.display_address,” “location.city,” “location.state_code,” “location.postal_code,” “location.country_code,” “location.cross_streets,” “location.neighborhoods,” “altitude”:</p> <table border="1"> <thead> <tr> <th>location</th> <th>dict</th> <th>Location data for this business</th> </tr> </thead> <tbody> <tr> <td>location.coordinate</td> <td>dict</td> <td>Coordinates for this business</td> </tr> <tr> <td>location.coordinate.latitude</td> <td>number</td> <td>Latitude for this business</td> </tr> <tr> <td>location.coordinate.longitude</td> <td>number</td> <td>Longitude for this business</td> </tr> <tr> <td>location.address</td> <td>list</td> <td>Address for this business. Only includes address fields.</td> </tr> <tr> <td>location.display_address</td> <td>list</td> <td>Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.</td> </tr> <tr> <td>location.city</td> <td>string</td> <td>City for this business</td> </tr> <tr> <td>location.state_code</td> <td>string</td> <td>ISO 3166-2 state code for this business</td> </tr> <tr> <td>location.postal_code</td> <td>string</td> <td>Postal code for this business</td> </tr> <tr> <td>location.country_code</td> <td>string</td> <td>ISO 3166-1 country code for this business</td> </tr> <tr> <td>location.cross_streets</td> <td>string</td> <td>Cross streets for this business</td> </tr> <tr> <td>location.neighborhoods</td> <td>list</td> <td>List that provides neighborhood(s) information for business</td> </tr> </tbody> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>)</p> <pre> "location": {   "address": [     "523 Broadway"   ],   "city": "San Francisco",   "coordinate": {     "latitude": 37.797745900000002,     "longitude": -122.40586399999999   },   "country_code": "US",   "cross_streets": "Kearny St &amp; Romolo Pl",   "display_address": [     "523 Broadway",     "(b/t Kearny St &amp; Romolo Pl)",     "North Beach/Telegraph Hill",     "San Francisco, CA 94133"   ],   "geo_accuracy": 8,   "neighborhoods": [     "North Beach/Telegraph Hill"   ],   "postal_code": "94133",   "state_code": "CA" }, </pre>	location	dict	Location data for this business	location.coordinate	dict	Coordinates for this business	location.coordinate.latitude	number	Latitude for this business	location.coordinate.longitude	number	Longitude for this business	location.address	list	Address for this business. Only includes address fields.	location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.	location.city	string	City for this business	location.state_code	string	ISO 3166-2 state code for this business	location.postal_code	string	Postal code for this business	location.country_code	string	ISO 3166-1 country code for this business	location.cross_streets	string	Cross streets for this business	location.neighborhoods	list	List that provides neighborhood(s) information for business	
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		<p>(<a href="http://www.yelp.com/developers/documentation/v2/business.">http://www.yelp.com/developers/documentation/v2/business.</a>)</p> <p>Publicly available information indicates that second registers are used throughout the Yelp Product. The second registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the second registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
2G	<p>an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways,</p>	<p>The plurality of registers includes an active space register for identifying space in which the container will act upon other containers, processes, systems or gateways.</p> <p>For example, in the Yelp business “Location” container described above, the active space registers (e.g., “location.coordinate,” “location.coordinate.latitude,” “location.coordinate.longitude,” “location.address,” “location.display_address,” “location.city,” “location.state_code,” “location.postal_code,” “location.country_code,” “location.cross_streets,” “location.neighborhoods,” “altitude) designate space in terms of street addresses, cross streets, cities, states, postal codes, countries, latitudes, longitudes, and distance. These registers identify space in which the “Business” container will act upon other containers, processes, systems or gateways such as to record “check-ins.”</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product																																				
		<table border="1"> <tr><td>location</td><td>dict</td><td>Location data for this business</td></tr> <tr><td>location.coordinate</td><td>dict</td><td>Coordinates for this business</td></tr> <tr><td>location.coordinate.latitude</td><td>number</td><td>Latitude for this business</td></tr> <tr><td>location.coordinate.longitude</td><td>number</td><td>Longitude for this business</td></tr> <tr><td>location.address</td><td>list</td><td>Address for this business. Only includes address fields.</td></tr> <tr><td>location.display_address</td><td>list</td><td>Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.</td></tr> <tr><td>location.city</td><td>string</td><td>City for this business</td></tr> <tr><td>location.state_code</td><td>string</td><td>ISO 3166-2 state code for this business</td></tr> <tr><td>location.postal_code</td><td>string</td><td>Postal code for this business</td></tr> <tr><td>location.country_code</td><td>string</td><td>ISO 3166-1 country code for this business</td></tr> <tr><td>location.cross_streets</td><td>string</td><td>Cross streets for this business</td></tr> <tr><td>location.neighborhoods</td><td>list</td><td>List that provides neighborhood(s) information for business</td></tr> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>.)</p> <p>Publicly available information indicates that active space registers are used throughout the Yelp Product. The active space registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the active space registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>	location	dict	Location data for this business	location.coordinate	dict	Coordinates for this business	location.coordinate.latitude	number	Latitude for this business	location.coordinate.longitude	number	Longitude for this business	location.address	list	Address for this business. Only includes address fields.	location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.	location.city	string	City for this business	location.state_code	string	ISO 3166-2 state code for this business	location.postal_code	string	Postal code for this business	location.country_code	string	ISO 3166-1 country code for this business	location.cross_streets	string	Cross streets for this business	location.neighborhoods	list	List that provides neighborhood(s) information for business
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2H	a passive register for identifying space in which the container can be acted upon by other	<p>The plurality of registers includes a passive space register for identifying space in which the container can be acted upon by other containers, processes, systems or gateways.</p> <p>For example, in the Yelp business “Location” container described above, the passive space registers (e.g., “location.coordinate,” “location.coordinate.latitude,” “location.coordinate.longitude,” “location.address,” “location.display_address,” “location.city,” “location.state_code,” “location.postal_code,” “location.country_code,” “location.cross_streets,” “location.neighborhoods,” “altitude) designate space in terms</p>																																				

Element	U.S. Patent No. 7,010,536 containers, processes, systems or gateways,	The Yelp Product																																				
	<p>of street addresses, cross streets, cities, states, postal codes, countries, latitudes, longitudes, and distance. These registers identify space in which the “Business” container will be acted upon by other containers, processes, systems or gateways such as to record “check-ins.”</p> <table border="1"> <thead> <tr> <th>location</th> <th>dict</th> <th>Location data for this business</th> </tr> </thead> <tbody> <tr> <td>location.coordinate</td> <td>dict</td> <td>Coordinates for this business</td> </tr> <tr> <td>location.coordinate.latitude</td> <td>number</td> <td>Latitude for this business</td> </tr> <tr> <td>location.coordinate.longitude</td> <td>number</td> <td>Longitude for this business</td> </tr> <tr> <td>location.address</td> <td>list</td> <td>Address for this business. Only includes address fields.</td> </tr> <tr> <td>location.display_address</td> <td>list</td> <td>Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.</td> </tr> <tr> <td>location.city</td> <td>string</td> <td>City for this business</td> </tr> <tr> <td>location.state_code</td> <td>string</td> <td>ISO 3166-2 state code for this business</td> </tr> <tr> <td>location.postal_code</td> <td>string</td> <td>Postal code for this business</td> </tr> <tr> <td>location.country_code</td> <td>string</td> <td>ISO 3166-1 country code for this business</td> </tr> <tr> <td>location.cross_streets</td> <td>string</td> <td>Cross streets for this business</td> </tr> <tr> <td>location.neighborhoods</td> <td>list</td> <td>List that provides neighborhood(s) information for business</td> </tr> </tbody> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>)</p> <p>Publicly available information indicates that passive space registers are used throughout the Yelp Product. The passive space registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the active space registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>	location	dict	Location data for this business	location.coordinate	dict	Coordinates for this business	location.coordinate.latitude	number	Latitude for this business	location.coordinate.longitude	number	Longitude for this business	location.address	list	Address for this business. Only includes address fields.	location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.	location.city	string	City for this business	location.state_code	string	ISO 3166-2 state code for this business	location.postal_code	string	Postal code for this business	location.country_code	string	ISO 3166-1 country code for this business	location.cross_streets	string	Cross streets for this business	location.neighborhoods	list	List that provides neighborhood(s) information for business	
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2I	a neutral space register for identifying	The plurality of registers includes a neutral space register for identifying space in which the container may interact with other containers, processes, systems or gateways.																																				

**The Yelp Product**

For example, in the Yelp business “Location” container described above, the neutral space registers (e.g., “location.coordinate,” “location.coordinate.latitude,” “location.coordinate.longitude,” “location.address,” “location.display\_address,” “location.city,” “location.state\_code,” “location.postal\_code,” “location.country\_code,” “location.cross\_streets,” “location.neighborhoods,” “altitude) designate space in terms of street addresses, cross streets, cities, states, postal codes, countries, latitudes, longitudes, and distance. These registers identify space in which the “Business” container may interact with other containers, processes, systems or gateways such as interacting with user containers to record “check-ins.”

location	dict	Location data for this business
location.coordinate	dict	Coordinates for this business
location.coordinate.latitude	number	Latitude for this business
location.coordinate.longitude	number	Longitude for this business
location.address	list	Address for this business. Only includes address fields.
location.display_address	list	Address for this business formatted for display. Includes all address fields, cross streets and city, state_code, etc.
location.city	string	City for this business
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location.postal_code	string	Postal code for this business
location.country_code	string	ISO 3166-1 country code for this business
location.cross_streets	string	Cross streets for this business
location.neighborhoods	list	List that provides neighborhood(s) information for business

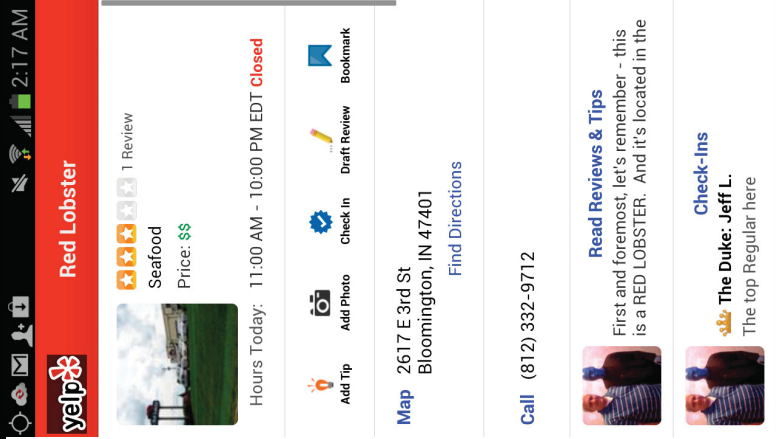
([http://www.yelp.com/developers/documentation/v2/search\\_api](http://www.yelp.com/developers/documentation/v2/search_api).)

Publicly available information indicates that neutral space registers are used throughout the Yelp Product. The neutral space registers corresponding to the above evidence are only examples.

It is believed that the structure and operation of the neutral space registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.

Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same

Element	U.S. Patent No. 7,010,536	The Yelp Product
2J	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>function, in substantially the same way, to reach substantially the same result.</p> <p>Each container of the Yelp Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>It is believed that the structure and operation of the gateways are fully set forth in the documentation for and source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
3	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems or processes, the container history register being modifiable.</p>	<p>The Yelp Product infringes claim 2. (See above.) In addition, the plurality of registers includes at least one container history register for storing information regarding past interaction of the container with other containers, systems or processes, the container history register being modifiable.</p> <p>For example, in the Yelp “Business” container described above, the plurality of registers includes registers for storing review and “check-in” information from prior interactions of the “Business” container with the container associated with the user and/or their mobile phone.</p>

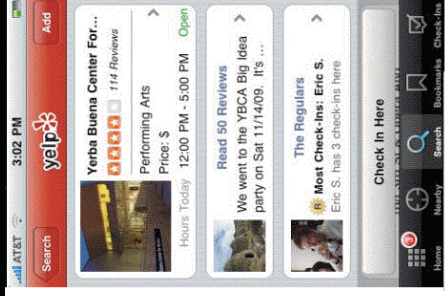
Element	U.S. Patent No. 7,010,536	The Yelp Product
	being modifiable.	 <p>(screenshot Yelp Android application.)</p>



Element

The Yelp Product

U.S. Patent  
No. 7,010,536



(screenshot Yelp Android application.)

In addition, the container history register is modifiable. For example, the container history register can be updated to account for purchases, check-ins, and reviews by containers associated with users, or may be modified to record the fact that a user clicked on or viewed a business.

As another example, at least the following modifiable container history registers store information regarding past interaction of the container with other containers, systems, or processes: “rating,” “rating\_img\_url,” “rating\_img\_small,” and “rating\_img\_large.”

rating	number	Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)
rating_img_url	string	URL to star rating image for this business (size = 84x17)
rating_img_url_small	string	URL to small version of rating image for this business (size 50x10)
rating_img_url_large	string	URL to large version of rating image for this business (size 166x30)

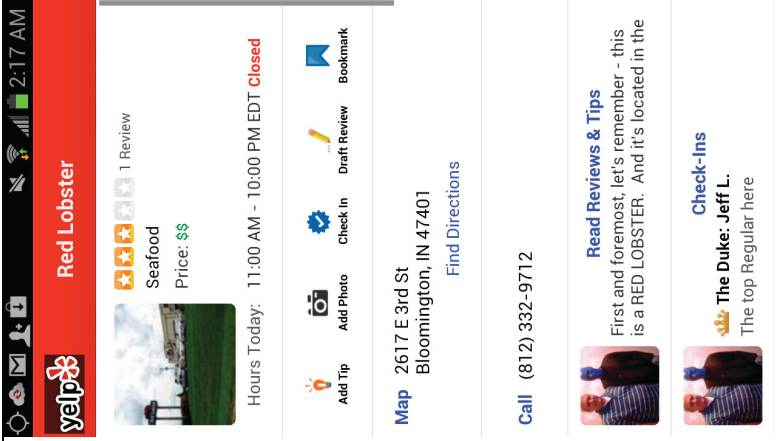
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		<p>Publicly available information indicates that container history registers are used throughout the Yelp Product. The container history registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the container history registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>												
4	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one system history register for storing information regarding past interaction of the container with different operating system and network processes.</p>	<p>The Yelp Product infringes claim 2. (<i>See</i> above.) In addition, the plurality of registers includes at least one system history register for storing information regarding past interaction of the container with different operating system and network processes.</p> <p>For example, the Yelp Product stores historical interaction information regarding “check-ins” at businesses. The information in these registers corresponds to past interaction of the container with different operating system and network processes.</p> <p>As another example, at least the following modifiable container history registers store information regarding past interaction of the container with other systems and processes responsible for updating the values of those registers: “rating,” “rating_img_url,” “rating_img_url_small,” “rating_img_url_large.”</p> <table border="1"> <tbody> <tr> <td>rating</td> <td>number</td> <td>Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)</td> </tr> <tr> <td>rating_img_url</td> <td>string</td> <td>URL to star rating image for this business (size = 84x17)</td> </tr> <tr> <td>rating_img_url_small</td> <td>string</td> <td>URL to small version of rating image for this business (size 50x10)</td> </tr> <tr> <td>rating_img_url_large</td> <td>string</td> <td>URL to large version of rating image for this business (size 166x30)</td> </tr> </tbody> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api">http://www.yelp.com/developers/documentation/v2/search_api</a>.)</p>	rating	number	Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)	rating_img_url	string	URL to star rating image for this business (size = 84x17)	rating_img_url_small	string	URL to small version of rating image for this business (size 50x10)	rating_img_url_large	string	URL to large version of rating image for this business (size 166x30)
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Element	U.S. Patent No. 7,010,536	The Yelp Product																		
		<p>Publicly available information indicates that system history registers are used throughout the Yelp Product. The system history registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the system history registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>																		
5	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p>	<p>The Yelp Product infringes claim 2. (See above.) In addition, the plurality of registers includes at least one predefined register, the predefined register being a register associated with an editor for user selection and being appendable to any container.</p> <p>An example of a Yelp Product predefined modifiable register is the “review_count” registers of the “Business” containers. This register is predefined as “zero” and can be edited by a user through the gateways provided by Yelp, and are appendable to containers such as the “Business” containers.</p> <table border="1"> <thead> <tr> <th>review_count</th> <th>number</th> <th>Number of reviews for this business</th> </tr> </thead> <tbody> <tr> <td><a href="http://www.yelp.com/developers/documentation/v2/search_api.">http://www.yelp.com/developers/documentation/v2/search_api.</a></td> <td></td> <td></td> </tr> </tbody> </table> <p>As another example, the following registers are predefined modifiable registers being appendable to containers such as the “Business” containers:</p> <table border="1"> <tbody> <tr> <td>rating</td> <td>number</td> <td>Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)</td> </tr> <tr> <td>rating_img_url</td> <td>string</td> <td>URL to star rating image for this business (size = 84x17)</td> </tr> <tr> <td>rating_img_url_small</td> <td>string</td> <td>URL to small version of rating image for this business (size = 50x10)</td> </tr> <tr> <td>rating_img_url_large</td> <td>string</td> <td>URL to large version of rating image for this business (size = 166x30)</td> </tr> </tbody> </table>	review_count	number	Number of reviews for this business	<a href="http://www.yelp.com/developers/documentation/v2/search_api.">http://www.yelp.com/developers/documentation/v2/search_api.</a>			rating	number	Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)	rating_img_url	string	URL to star rating image for this business (size = 84x17)	rating_img_url_small	string	URL to small version of rating image for this business (size = 50x10)	rating_img_url_large	string	URL to large version of rating image for this business (size = 166x30)
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Element	U.S. Patent No. 7,010,536	The Yelp Product
		<p>(<a href="http://www.yelp.com/developers/documentation/v2/business_api">http://www.yelp.com/developers/documentation/v2/business_api</a>.)</p> <p>Publicly available information indicates that predefined registers are used throughout the Yelp Product. The registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the predefined registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
6	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes a user-created register, the user-created register being generated by the user, and being appendable to any container.</p>	<p>The Yelp Product infringes claim 1 and claim 2. (<i>See</i> above.) In addition, with respect to both claims 1 and 2, on information and belief, the plurality of registers in the Yelp Product includes at least one user-created register, the user-created register being generated by the user, and being appendable to any container.</p> <p>It is believed that the structure and operation of the predefined registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
7	<p>The apparatus of claim 1 or 2, wherein the plurality of registers</p>	<p>The Yelp Product infringes claim 1 and claim 2. (<i>See</i> above.) In addition, with respect to both claims 1 and 2, the plurality of registers includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p> <p>An example of a system-defined register which is set, controlled and used by the system is the “id” registers of the</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product						
	<p>includes a system-defined register, the system-defined register being set, controlled and used by the system, and being appendable to any container.</p>	<p>“Business” containers which are appendable to the “Business” containers:</p> <p><b>Business:</b></p> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>string</td> <td>Yelp ID for this business</td> </tr> </tbody> </table> <p>(<a href="http://www.yelp.com/developers/documentation/v2/search_api.">http://www.yelp.com/developers/documentation/v2/search_api.</a>)</p> <p>Publicly available information indicates that system-defined registers are used throughout the Yelp Product. The system-defined registers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the system-defined registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>	Name	Type	Definition	id	string	Yelp ID for this business
Name	Type	Definition						
id	string	Yelp ID for this business						
8	<p>The apparatus of claim 1 or 2, wherein the plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or</p>	<p>The Yelp Product infringes claim 2. (See above.) In addition, the plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>On information and belief, the “Business” container associated with a business includes “at least one acquire register” (e.g., “coordinate.latitude” and “coordinate.longitude”) that controls whether that “Business” container adds a register from the user’s mobile device and/or user account when that user attempts to “check-in.”</p>						

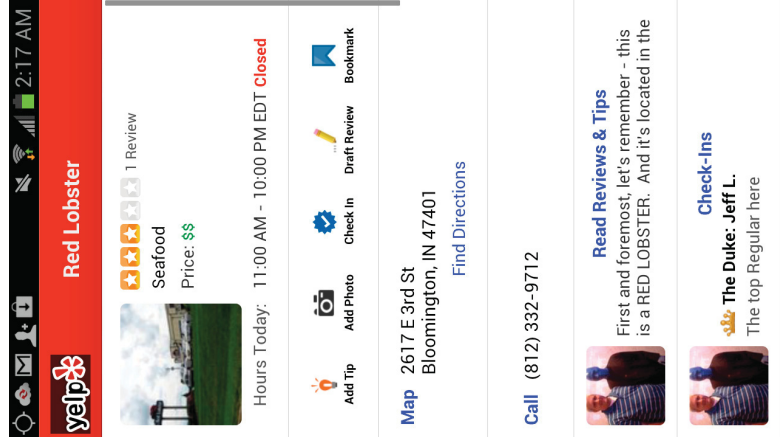
Element	U.S. Patent No. 7,010,536 adds a container from other containers when interacting with them.	The Yelp Product
		 <p>The screenshot shows the Yelp mobile app interface for 'Red Lobster'. At the top, there's a navigation bar with the Yelp logo and the restaurant name. Below that, the restaurant's rating (1 star) and number of reviews (1) are shown. The category 'Seafood' and price range '\$\$' are also visible. The status 'Hours Today: 11:00 AM - 10:00 PM EDT Closed' is displayed. A 'Map' button shows the address '2617 E 3rd St, Bloomington, IN 47401'. A 'Call' button shows the phone number '(812) 332-9712'. A featured review by 'The Duke: Jeff L.' is shown with the text 'The top Regular here'.</p>

(screenshot Yelp Android application.)

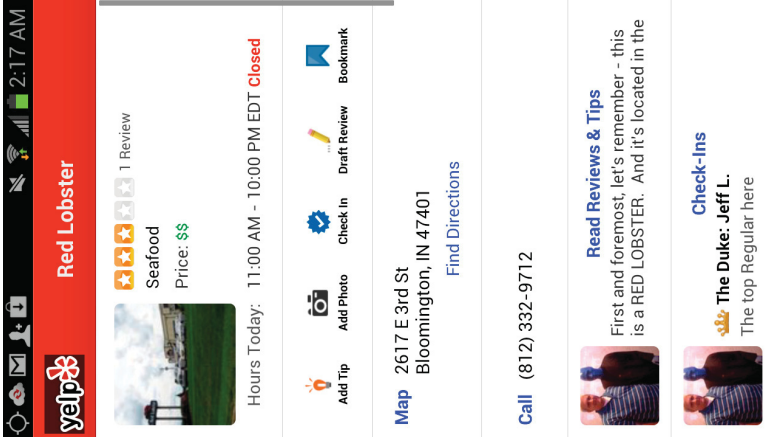
Element	U.S. Patent No. 7,010,536	The Yelp Product
		 <p>(screenshot Yelp Android application.)</p> <p>It is believed that the structure and operation of the acquire registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
9	The apparatus of claim 1 or 2, wherein the gateway includes means for acting upon another container, the means for acting upon another container, the means for acting upon	<p>The Yelp Product infringes claim 2 (see above.) In addition, the gateway includes means for acting upon another container, the means for acting upon another container using the plurality of registers to determine whether and how the container acts upon other containers.</p> <p>For example, on information and belief, the gateway of the “Business” container includes a processor and/or memory programmed with algorithms for acting on the other containers (e.g., user containers). By enabling actions on other containers (e.g., user containers), the gateways of the Yelp Product enable various features of the Yelp Product, including purchases of coupons or deals, tracking of check-ins, and posting and display of reviews.</p> <p>Publicly available information indicates that registers are used throughout the Yelp Product. The registers</p>


Element	U.S. Patent No. 7,010,536	The Yelp Product
	<p>another container using the plurality of registers to determine whether and how the container acts upon other containers.</p>	<p>corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways and registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
10	<p>The apparatus of claim 1 or 2, wherein the gateway includes means for allowing interaction, the means for allowing interaction using the plurality of registers to determine whether and how another container can act upon the container.</p>	<p>Subject to ongoing discovery and investigation, Evolutionary Intelligence does not presently contend that this claim is infringed by the use of the Yelp Product. Evolutionary Intelligence reserves the right to assert infringement of this claim based on additional information obtained through formal discovery or other means.</p>
11	<p>The apparatus of claim 1 or 2, wherein the gateway includes means</p>	<p>The Yelp Product infringes claim 2. (See above.) In addition, the gateway includes means for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with the container.</p> <p>For example, the Yelp Product includes processor means for gathering information regarding opinions associated</p>



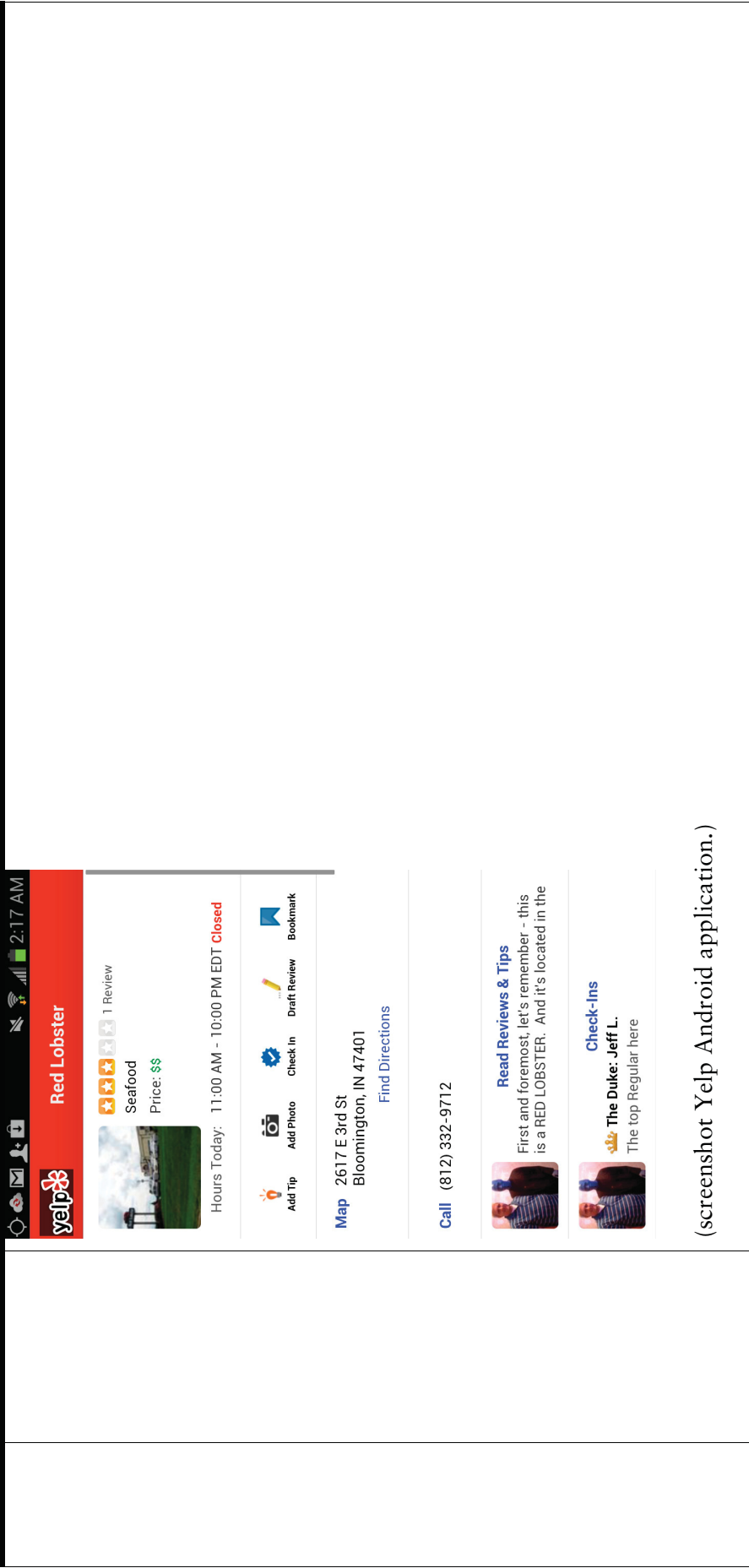
Element	U.S. Patent No. 7,010,536	The Yelp Product
<p>for gathering information, the means for gathering information recording register information from other containers, systems or processes that interact with the container.</p>	<p>with user containers or gateways for a given business and information regarding “check-ins” of users at a particular business:</p>	 <p>(Screenshot Yelp Android application.)</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		 <p>(Screenshot Yelp Android application.)</p> <p>Publicly available information indicates that gateways with means for gathering information are used throughout the Yelp Product. The gateways and registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways and registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
12	The apparatus of claim 1 or 2, wherein the gateway includes means for reporting information,	<p>The Yelp Product infringes claim 2. (See above.) In addition, the gateway includes means for reporting information, the means for reporting information providing register information to other containers, systems or processes that interact with the container.</p> <p>For example, the Yelp Product includes a means for reporting information regarding opinions associated with user containers or gateways for a given business and information regarding “check-ins” of users at a particular business:</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
	<p>the means for reporting information providing register information to other containers, systems or processes that interact with the container.</p>	 <p>The screenshot shows the Yelp mobile app interface for 'Red Lobster'. At the top, there's a red header with the Yelp logo and the name 'Red Lobster'. Below that, there's a star rating of 3.5 stars with '1 Review' next to it. The category is 'Seafood' and the price range is '\$\$'. The hours are listed as 'Hours Today: 11:00 AM - 10:00 PM EDT' with a 'Closed' status. There are several interactive icons: 'Add Tip', 'Add Photo', 'Check In', 'Draft Review', and 'Bookmark'. The address is '2617 E 3rd St, Bloomington, IN 47401' with a 'Find Directions' link. A 'Call' button with the number '(812) 332-9712' is also present. Below the address, there are two sections: 'Read Reviews &amp; Tips' with a snippet of a review: 'First and foremost, let's remember - this is a RED LOBSTER. And it's located in the', and 'Check-Ins' with a snippet: 'The Duke: Jeff L. The top Regular here'.</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		 <p>(Screenshots Yelp Android application.)</p> <p>Publicly available information indicates that gateways with means for reporting information are used throughout the Yelp Product. The gateways and registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways and registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The Yelp Product infringes claim 2. (See above.) In addition, and on information and belief, the gateway includes an expert system including rules defining the interaction of the container with other containers, systems or processes.</p> <p>For example, on information and belief, the gateway of the Yelp Product includes an expert system including rules defining the interaction of business and user containers between and among each other, including a system for detecting and preventing “check-in” fraud. Thus, for example, the Yelp Product’s gateway includes an expert</p>
13	The apparatus of claim 1 or 2, wherein the gateway includes an expert system	

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	<p>including rules defining the interaction of the container with other containers, systems or processes.</p>	<p>system that will not allow users to “check-in” if the user’s mobile device does not report a GPS location that is consistent with the GPS location associated with the “Business” container.</p> <p>Publicly available information indicates that expert systems and gateways are used throughout the Yelp Product. The expert systems and gateways corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the expert systems and gateways are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
14	<p>The apparatus of claim 1 or 2, wherein the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p>	<p>The Yelp Product infringes claim 2. (See above.) In addition, the information element is one from the group of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a system.</p> <p>For example, the “Business” container identified above contains text, data, and graphics relating to the business, so that information regarding the business (e.g., an advertisement, coupons, reviews) can be displayed to a customer.</p>

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 <p>The screenshot shows the Yelp mobile application interface for a restaurant named "Red Lobster". At the top, the Yelp logo is visible on the left, and the restaurant name "Red Lobster" is on the right. Below the name, there is a 1-star rating with 1 review, the category "Seafood", and a price range of "\$\$". The status "Hours Today: 11:00 AM - 10:00 PM EDT Closed" is displayed. A "Map" button shows the address "2617 E 3rd St, Bloomington, IN 47401" and a "Find Directions" link. A "Call" button shows the phone number "(812) 332-9712". A "Check-Ins" section shows a user named "The Duke: Jeff L." with a photo and the text "The top Regular here".</p>		
<p>(screenshot Yelp Android application.)</p>		

Element

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The Yelp Product

**Business:**

Name	Type	Definition
id	string	Yelp ID for this business
is_claimed	bool	Whether business has been claimed by a business owner
is_closed	bool	Whether business has been (permanently) closed
name	string	Name of this business
image_url	string	URL of photo for this business
url	string	URL for business page on Yelp
mobile_url	string	URL for mobile business page on Yelp
phone	string	Phone number for this business with international dialing code (e.g. +442079460000)
display_phone	string	Phone number for this business formatted for display
review_count	number	Number of reviews for this business
categories	list	Provides a list of category name, alias pairs that this business is associated with. For example, [{"Local Flavor", "LocalFlavor"}, {"Active Life", "active"}, {"Mass Media", "massmedia"}] The alias is provided so you can search with the category_filter.
distance	number	Distance that business is from search location in meters, if a latitude/longitude is specified.
rating	number	Rating for this business (value ranges from 1, 1.5, ... 4.5, 5)
rating_img_url	string	URL to star rating image for this business (size = 84x17)

(<http://www.yelp.com/developers/documentation/v2/business>.)

Publicly available information indicates that information elements are used throughout the Yelp Product. The information elements corresponding to the above evidence are only examples.

It is believed that the structure and operation of the information elements selected from the group consisting of text, graphic images, video, audio, a digital pattern, a process, a nested container, bit, natural number and a

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<p>system are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15A	<p>An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including</p>	<p>The Yelp Product is an apparatus for transmitting, receiving and manipulating information on a computer system. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15B	<p>a plurality of containers, each container being a logically defined data enclosure and comprising:</p>	<p>The Yelp Product includes a plurality of containers, each container being a logically defined data enclosure. (See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the Yelp Product. The containers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the containers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach</p>



Element	U.S. Patent No. 7,010,536	The Yelp Product
15C	<p>an information element having information;</p>	<p>substantially the same result.</p> <p>The Yelp Product comprises an information element having information.</p> <p>(See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that information elements are used throughout the Yelp Product. The information elements corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the information elements are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15D	<p>a plurality of registers, the plurality of registers forming part of the container and including</p>	<p>Each container of the Yelp Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the Yelp Product. The registers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
15E	<p>a first register for storing a unique container identification value,</p>	<p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that first registers are used throughout the Yelp Product. The first registers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the first registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15F	<p>a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information the information element relative to an external-</p>	<p>The plurality of registers includes a second register having a representation designating time and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus event time.</p> <p>(See the discussion presented for claim element 1F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the Yelp Product. The second registers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the second registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
15G	<p>to-the-apparatus event time, and</p> <p>at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them; and</p>	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim element 8, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that acquire registers are used throughout the Yelp Product. The acquire registers corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the acquire registers are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality preforms substantially the same function, in substantially the same way, to reach substantially the same result.</p>
15H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of the Yelp Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that gateways are used throughout the Yelp Product. The gateways corresponding to the above evidence are only examples. Other examples are described in the Yelp API Developer documentation.</p> <p>It is believed that the structure and operation of the gateways are more fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the accused instrumentality.</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
16A	An apparatus for transmitting, receiving and manipulating information on a computer system, the apparatus including	<p>Evolutionary Intelligence reserves its right to contend that this element is satisfied under the doctrine of equivalents because any differences between this claim element and any accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The Yelp Product is an apparatus for transmitting, receiving and manipulating information on a computer system. In particular, the Yelp Product transmits, receives, and manipulates digital information using one or more computer servers owned and/or operated by Yelp. (See the claim elements below.)</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16B	a plurality of containers, each container being a logically defined data enclosure and comprising:	<p>The Yelp Product includes a plurality of containers, each container being a logically defined data enclosure. (See the discussion presented for claim element 1B, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that containers are used throughout the Yelp Product. The containers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the containers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16C	an information element having information;	<p>Each container of the Yelp Product comprises an information element having information. (See the discussion presented for claim element 1C, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that information elements are used throughout the Yelp Product. The</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
		<p>information elements corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the information elements are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16D	a plurality of registers, the plurality of registers forming part of the container and including	<p>Each container of the Yelp Product comprises a plurality of registers, the plurality of registers forming part of the container.</p> <p>(See the discussion presented for claim element 1D, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that registers are used throughout the Yelp Product. The registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16E	a first register for storing a unique container identification value,	<p>The plurality of registers includes a first register for storing a unique container identification value.</p> <p>(See the discussion presented for claim element 1E, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that first registers with unique container identification values are used throughout the Yelp Product. The first registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the first registers are fully set forth in the source code of the Yelp</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
16F	<p>a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three dimensional space, and</p>	<p>Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p> <p>The plurality of registers includes a second register having a representation designating space and governing interactions of the container with other containers, systems or processes according to utility of information in the information element relative to an external-to-the-apparatus three-dimensional space.</p> <p>(See the discussion presented for claim element 2F, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that second registers are used throughout the Yelp Product. The second registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the second registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16G	<p>at least one acquire register for controlling whether the</p>	<p>The plurality of registers includes at least one acquire register for controlling whether the container adds a register from other containers or adds a container from other containers when interacting with them.</p> <p>(See the discussion presented for claim 8, which is incorporated by reference as if fully set forth herein.)</p>

Element	U.S. Patent No. 7,010,536	The Yelp Product
	<p>a register from other containers or adds a container from other containers when interacting with them; and</p>	<p>Publicly available information indicates that acquire registers are used throughout the Yelp Product. The acquire registers corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the acquire registers are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>
16H	<p>a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p>	<p>Each container of the Yelp Product comprises a gateway attached to and forming part of the container, the gateway controlling the interaction of the container with other containers, systems or processes.</p> <p>(See the discussion presented for claim element 1J, which is incorporated by reference as if fully set forth herein.)</p> <p>Publicly available information indicates that gateways are used throughout the Yelp Product. The gateways corresponding to the above evidence are only examples.</p> <p>It is believed that the structure and operation of the gateways are fully set forth in the source code of the Yelp Product, which is not publicly available. Evolutionary Intelligence reserves its right to supplement and/or amend this claim chart after obtaining discovery of this source code.</p> <p>Evolutionary Intelligence presently contends that this element is literally present in the method practiced by the accused instrumentality. Evolutionary Intelligence reserves its right to contend that this element is practiced under the doctrine of equivalents because any differences between this claim element and the method practiced by the accused instrumentality are insubstantial and the accused instrumentality performs substantially the same function, in substantially the same way, to reach substantially the same result.</p>