

GRANTED UNITED STATES PATENT

US12039568B2

Independent Claim 19 — Software Claim Chart

A limitation-by-limitation technical correspondence chart for independent Claim 19 of granted United States Patent US12039568B2, read as a non-transitory computer-readable medium claim, against the publicly documented Woosmap software architecture. Each limitation records the verbatim granted claim language, the software requirement, the publicly disclosed functionality, where the instructions execute, the public evidence relied upon, the observed correspondence and the outstanding diligence question. The complete evidence register with source URLs follows the chart.

DOCUMENT	Independent Claim 19 software claim chart, with evidence register
PATENT	US12039568B2 (granted, United States)
LIMITATIONS CHARTED	19A - 19I (9 limitations)
PUBLIC SOURCES CITED	15, each with a live URL in the evidence register
SOURCES ACCESSED	26 August 2026
STATUS	Public-record technical correspondence review — requires confirmation

IMPORTANT — SCOPE OF THIS DOCUMENT

This chart records technical correspondence observable on the public record only. It is not a legal opinion, not a claim-construction position, and not an assertion of infringement, validity or liability. Statements of correspondence describe publicly documented functionality and require confirmation against deployment-specific facts and formal claim construction before any conclusion is drawn.

Consolidated Claim 19 Chart

Nine recited limitations with their present evidence status.

REF	LIMITATION	STATUS	OUTSTANDING QUESTION
19A	A non-transitory computer readable medium including instructions stored therein	VERY STRONG	Which specific stored instruction set in a given United States deployment — SDK, host application, server component or engagement-platform configuration — is said to carry the complete recited step sequence?
19B	Instructions accessing a database of previously collected data	STRONG	Do not assume that historical location data satisfies every possible construction of "previously collected data". Which data store is accessed, by which instructions, and immediately prior to which sending operation, remains a deployment question.
19C	Instructions matching notifications for relevance by a matching engine	PARTIAL	In a given deployment, which software component analyses previously collected data regarding the particular user, and does its output determine which notification is sent?
19D	Instructions processing consumer-device location relative to a geographical location	VERY STRONG	Is the monitored region in a relevant deployment specified by or on behalf of the secondary user devices, as the granted language requires?
19E	Instructions applying retailer-entered specifications regarding consumer demographics	PARTIAL	What specifications does a retailer actually enter in a relevant United States deployment, and are they demographic specifications governing which consumers are preferred to receive notifications?
19F	Instructions gating the sending operation on the geographic condition	VERY STRONG	Is the outbound communication in a relevant deployment conditioned on the geographic event, or does the event serve only as one input among several?
19G	Executable location + time logic	STRONG	Is a time or period condition specified by or on behalf of the consumer device, and evaluated together with the geographic condition, in a relevant United States deployment?
19H	Instructions automatically disabling and enabling communication	STRONG	Do the executable instructions in a specific deployment implement the precise claimed condition whereby communication is disabled until the required conditions are satisfied and automatically enabled when they are satisfied?
19I	Instructions allowing sending of the relevant notification	VERY STRONG	In a relevant United States deployment, is the delivered notification the output of the claimed relevance-matching and conditional-gating instructions, rather than of unrelated campaign logic?

CLAIM 19 • ELEMENT 19A

VERY STRONG

A non-transitory computer readable medium including instructions stored therein

Very strong software-architecture relevance

01 – VERBATIM GRANTED CLAIM LANGUAGE

19. A non-transitory computer readable medium including instructions stored therein executable by one or more processors to perform the steps of:

establishing communication between a primary user device associated with the retailer and one or more secondary user devices associated with a consumer and sending, by the primary user device, notifications to the one or more secondary user devices, subsequent to accessing a database of previously collected data in respect of users of the secondary user devices;

02 – SOFTWARE REQUIREMENT

Claim 19 is directed to the artefact in which the instructions reside, not to a machine or to a sequence of acts. The limitation requires (i) a non-transitory medium, (ii) instructions stored in that medium, and (iii) executability of those instructions by one or more processors to perform the recited steps. The analysis therefore begins with whether executable software of the relevant character is publicly documented as being supplied, stored and executed at all.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap publishes installation and initialisation documentation for the Geofencing SDK on Android and iOS. The Android guide documents a Gradle dependency on the published SDK artefact and initialisation of the SDK inside the host application's activity; the iOS guide documents CocoaPods and Swift Package Manager distribution and initialisation of the geofence manager from the application delegate. The documentation is addressed to a developer integrating the library into a business-controlled mobile application which is then installed on, and executed by, consumer mobile devices.

- Published package dependency for Android
- CocoaPods / Swift Package Manager distribution for iOS
- Documented initialisation instructions
- Library executed inside the host application process
- Application installed on consumer mobile devices
- Foreground and background execution documented

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Woosmap SDK	The SDK is the distributed software library containing the relevant instructions.	YES
Retailer application	Woosmap documents integration of the library into the customer's own mobile application.	YES
Consumer mobile device	The host application, and therefore the SDK code, is documented as running on the end user's device.	YES

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Android setup and initialisation guide](https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/setup/)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/setup/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – iOS setup and initialisation guide](https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/setup/)

<https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/setup/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Get Started](https://developers.woosmap.com/products/geofencing-sdk/get-started/)

<https://developers.woosmap.com/products/geofencing-sdk/get-started/>

06 — TECHNICAL CORRESPONDENCE

Woosmap publicly distributes executable SDK components designed to be incorporated into mobile applications and executed on consumer devices. This establishes a directly relevant software-instruction layer for further comparison with the granted computer-readable-medium claim. It is not, and is not presented as, a conclusion that the medium claim is satisfied: Claim 19 requires instructions executable to perform every recited step in combination.

Distribution of executable software is relevant context. It is not itself a finding on the claim.

07 — OPEN QUESTION — DILIGENCE

Which specific stored instruction set in a given United States deployment — SDK, host application, server component or engagement-platform configuration — is said to carry the complete recited step sequence?

CLAIM 19 • ELEMENT 19B

STRONG

Instructions accessing a database of previously collected data

Strong — construction and deployment dependent

01 – VERBATIM GRANTED CLAIM LANGUAGE

... sending, by the primary user device, notifications to the one or more secondary user devices, subsequent to accessing a database of previously collected data in respect of users of the secondary user devices;

02 – SOFTWARE REQUIREMENT

From the software perspective the limitation requires instructions that perform an access operation against persisted data previously collected in respect of the users of the consumer devices. Three executable sub-operations are implied: collection, persistence, and retrieval of the persisted records as an antecedent to the sending operation. The existence of data alone is insufficient — Claim 19 concerns instructions that store and read it.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents device-side visit collection, persistence and retrieval. On Android a visit listener callback is documented as invoked when a visit is collected, and stored visit and Zone of Interest records are read from a local database accessor. On iOS a visit service delegate receives collected visits, with documented read and erase operations over the persisted visit and ZOI collections. Woosmap expressly states that, when the Zones of Interest feature is activated, the SDK stores and clusters historical location data on the device for each user, deriving approximate home and office locations from the time distribution of clusters.

- Visit created from device location
- Visit persisted in local storage
- Historical visits retrievable by the application
- Geographical and temporal clustering
- Zone of Interest derived from clusters
- Behavioural context exposed to the host application

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Consumer mobile device	Woosmap states that historical location data is stored and clustered on the device for each user.	YES
Woosmap SDK	Visit detection, persistence, clustering and ZOI derivation are documented SDK operations.	YES
NOT ESTABLISHED FROM PUBLIC EVIDENCE	Whether a retailer-side database of previously collected consumer data is accessed before notification sending is not addressed by the SDK documentation.	NOT ESTABLISHED

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Visits and Zone of Interest](https://developers.woosmap.com/products/geofencing-sdk/visits-zoi/)
<https://developers.woosmap.com/products/geofencing-sdk/visits-zoi/>

[Woosmap \(developers.woosmap.com\) – Woosmap Android SDK – Monitor user visits guide](https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-user-visits/)
<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-user-visits/>

[Woosmap \(developers.woosmap.com\) – Woosmap iOS SDK – Monitor user visits guide](https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/monitor-user-visits/)
<https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/monitor-user-visits/>

06 – TECHNICAL CORRESPONDENCE

Woosmap's public material documents executable instructions that collect, persist, retrieve and analyse historical location information on the consumer device. That is a software layer of the same technical character as the previously collected data access recited by Claim 19. It does not follow that historical location records are the previously collected data contemplated by the claim, nor that the access occurs in the recited sequence within any deployment.

07 – OPEN QUESTION – DILIGENCE

Do not assume that historical location data satisfies every possible construction of "previously collected data". Which data store is accessed, by which instructions, and immediately prior to which sending operation, remains a deployment question.

Instructions matching notifications for relevance by a matching engine

Partial — integration dependent

01 – VERBATIM GRANTED CLAIM LANGUAGE

wherein the notifications sent to the secondary user device are matched, by a matching engine, to the user of the secondary user device according to analysis of the previously collected data regarding the user of the secondary user device such that the notifications sent to the secondary user device are relevant to the user of the secondary user device; and further wherein:

02 – SOFTWARE REQUIREMENT

The limitation requires instructions constituting, or invoking, a matching engine which analyses the previously collected data and selects a notification relevant to that particular user. Two software properties must be present: an analysis operation over the prior data, and a selection operation whose output is the notification subsequently sent.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents integration instructions that transmit SDK-derived context into customer-engagement platforms. The Salesforce Marketing Cloud integration documents transmission of events from four context types — Geofences, POI, Visits and ZOI — to trigger an Entry Event, with connector initialisation using event definition keys such as woos_geofence_entered_event, woos_POI_event, woos_Visit_event and woos_zoi_classified_entered_event, and event data fields including user_properties.[field_name]. Comparable custom-event transmission is documented for Braze and for Batch, where events are expressly usable as Custom Event triggers in the Automation and Journey composers.

- Named event definition keys
- Contact key association
- user_properties.[field_name] transmitted with events
- Entry Event triggering in Marketing Cloud
- Custom-event triggers in Braze and Batch

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Woosmap SDK	Connector instructions within the SDK are documented as emitting the events and associated properties.	YES
Customer-engagement platform	Event ingestion and journey entry are documented platform-side operations.	YES
NOT ESTABLISHED FROM PUBLIC EVIDENCE	No public material establishes instructions performing the complete claimed matching operation over previously collected data.	NOT ESTABLISHED

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Salesforce Marketing Cloud integration](https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Braze integration](https://developers.woosmap.com/products/geofencing-sdk/integration/braze/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/braze/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Batch integration](https://developers.woosmap.com/products/geofencing-sdk/integration/batch/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/batch/>

06 – TECHNICAL CORRESPONDENCE

Public documentation establishes a software pathway by which Woosmap-derived user and location context can be transmitted into software capable of determining subsequent customer-engagement actions. The complete claimed matching operation remains integration and deployment dependent. Salesforce Marketing Cloud, Braze and Batch are not characterised here as the claimed matching engine; the public record establishes the transport of context, not the selection logic applied to it.

07 – OPEN QUESTION – DILIGENCE

In a given deployment, which software component analyses previously collected data regarding the particular user, and does its output determine which notification is sent?

CLAIM 19 · ELEMENT 19D

VERY STRONG

Instructions processing consumer-device location relative to a geographical location

Very strong — publicly documented executable behaviour

01 – VERBATIM GRANTED CLAIM LANGUAGE

receive a notification when the one or more secondary user devices are located at a particular location, or within a specified region or distance of a geographical location associated with the primary user device, as specified by the one or more secondary user devices; and

02 – SOFTWARE REQUIREMENT

The limitation requires executable instructions that obtain consumer-device location, compare it against a defined location, region or distance associated with the retailer, and produce a notification of that positional state. This is a computational comparison performed by software, not merely the availability of location data.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents device-side location acquisition and geofence evaluation. Setup guides document a location-ready callback delivering each computed device location to the host application, and foreground/background execution controls. Region monitoring guides document registration of circular geofences around monitored places, a region-ready callback exposing region state, persisted region and region-log records, and named enter and exit events. Automatic generation of geofences around Woosmap store assets is separately documented.

- Device location callbacks
- Background location monitoring
- Store and POI geofence registration
- Boundary comparison performed on device
- woos_geofence_entered_event
- woos_geofence_exited_event

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Consumer mobile device	Location acquisition and geofence evaluation are documented as device-side operations.	YES
Woosmap SDK	The SDK carries the location and region monitoring instructions and emits the resulting events.	YES
Woosmap service / API	Store and POI reference data used to define monitored regions is served by Woosmap APIs.	YES

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Android SDK – Monitor places with custom geofence](https://developers.woosmap.com/monitor-places-with-custom-geofence/)
<https://developers.woosmap.com/monitor-places-with-custom-geofence/>

[Woosmap \(developers.woosmap.com\) – Woosmap iOS SDK – Monitor places with custom geofence](https://developers.woosmap.com/monitor-places-with-custom-geofence/)
<https://developers.woosmap.com/monitor-places-with-custom-geofence/>

[Woosmap \(developers.woosmap.com\) – Woosmap Android SDK – Monitor Woosmap Assets guide](https://developers.woosmap.com/monitor-woosmap-assets/)
<https://developers.woosmap.com/monitor-woosmap-assets/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing – SDK concepts documentation](https://developers.woosmap.com/monitor-woosmap-assets/)
<https://developers.woosmap.com/monitor-woosmap-assets/>

06 – TECHNICAL CORRESPONDENCE

The publicly documented instruction set performs precisely the class of operation the limitation describes: acquire device position, compare it against a retailer-associated region, and emit a notification of the resulting state. The correspondence is at the level of software function; whether the region in a deployment is the claimed region, and whether it is specified in the claimed manner, remains separate.

07 – OPEN QUESTION – DILIGENCE

Is the monitored region in a relevant deployment specified by or on behalf of the secondary user devices, as the granted language requires?

Instructions applying retailer-entered specifications regarding consumer demographics

Partial — deployment dependent

01 – VERBATIM GRANTED CLAIM LANGUAGE

send notifications to the one or more secondary user devices according to one or more specifications entered by the retailer regarding one or more demographics of the one or more consumers to which one or more notifications are preferred to be sent, wherein the one or more notifications are sent:

02 – SOFTWARE REQUIREMENT

The limitation requires instructions that condition the sending operation on retailer-entered specifications concerning consumer demographics. Two software properties are required: an input mechanism by which the retailer enters those specifications, and evaluation of them at or before the point of sending.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents an event payload carrying user-associated properties into customer-engagement platforms. The Marketing Cloud integration documents contact-key association and event data fields including user_properties.[field_name]; Braze and Batch integrations document custom events with associated properties. Audience, segmentation and journey configuration reside in the engagement platform and in the retailer's own application configuration.

- Woosmap event properties
- user_properties.[field_name]
- Contact key association
- Retailer application configuration
- Platform segmentation and journey inputs

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Woosmap SDK	Connector instructions transmit events with user-associated properties.	YES
Customer-engagement platform	Audience, segmentation and journey logic are documented platform capabilities.	YES
Retailer application	Which property values are populated is determined by the retailer's own integration code.	NOT ESTABLISHED
NOT ESTABLISHED FROM PUBLIC EVIDENCE	No public material establishes retailer-entered demographic specifications of the kind recited.	NOT ESTABLISHED

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Salesforce Marketing Cloud integration](https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Braze integration](https://developers.woosmap.com/products/geofencing-sdk/integration/braze/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/braze/>

06 – TECHNICAL CORRESPONDENCE

A software pathway exists by which retailer-controlled, user-associated attributes travel alongside location events into systems that decide what is communicated. The distinction to preserve is between the documented transport mechanism and the claimed demographic specification: the former is publicly established, the latter is not.

07 – OPEN QUESTION – DILIGENCE

What specifications does a retailer actually enter in a relevant United States deployment, and are they demographic specifications governing which consumers are preferred to receive notifications?

CLAIM 19 · ELEMENT 19F

VERY STRONG

Instructions gating the sending operation on the geographic condition

Very strong — condition evaluated by executable software

01 — VERBATIM GRANTED CLAIM LANGUAGE

only when the one or more secondary user devices are located at the particular location, or within the specified region or distance in relation to the geographical location; and

02 — SOFTWARE REQUIREMENT

The limitation is a software gate. The instructions must produce no sending while the device is outside the region, and must permit sending on the boundary condition being satisfied. What matters is that the condition is evaluated by executable code rather than by human judgement.

03 — PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap's documented region monitoring implements exactly this state machine: no region event is produced while the device remains outside a monitored region; a boundary crossing produces an enter event, and departure produces an exit event. Region logs are persisted, and the events are published under named identifiers used by downstream integrations.

- No event outside the monitored region
- Enter event on boundary crossing
- Exit event on departure
- Region log persistence
- Named events consumed downstream

04 — WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Consumer mobile device	The boundary test is documented as evaluated on the device.	YES
Woosmap SDK	SDK instructions perform the comparison and emit the event.	YES

05 — PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) — Woosmap Android SDK — Monitor places with custom geofence](https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-pois/)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-pois/>

[Woosmap \(developers.woosmap.com\) — Woosmap Geofencing — SDK concepts documentation](https://developers.woosmap.com/products/geofencing-sdk/geofencing/)

<https://developers.woosmap.com/products/geofencing-sdk/geofencing/>

[Woosmap \(developers.woosmap.com\) — Woosmap Android SDK — Monitor Woosmap Assets guide](https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-woosmap-assets/)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-woosmap-assets/>

06 — TECHNICAL CORRESPONDENCE

The publicly documented software behaves as a conditional gate on geography, which is the technical character of this limitation. Whether the downstream communication in a deployment is itself gated by that event — rather than merely informed by it — is a configuration question.

07 — OPEN QUESTION — DILIGENCE

Is the outbound communication in a relevant deployment conditioned on the geographic event, or does the event serve only as one input among several?

CLAIM 19 · ELEMENT 19G

STRONG

Executable location + time logic

Strong — temporal software publicly documented

01 – VERBATIM GRANTED CLAIM LANGUAGE

only at a particular time, or within a particular period of time, as specified by the one or more secondary user devices,

02 – SOFTWARE REQUIREMENT

The limitation requires instructions that evaluate a temporal condition in conjunction with the geographic condition, and that permit sending only within the specified time or period. Time must therefore be a computed input to the same gating logic, not merely metadata recorded alongside a location.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents two distinct executable temporal pathways. The first is predictive: device location and a destination are supplied to travel-time computation, producing an ETA and supporting isochrone-based regions defined by travel time rather than distance. The second is historical: each visit carries an arrival time, a departure time and a duration, and temporal distribution across clusters is used in deriving Zones of Interest, from which approximate home and office locations are identified.

- Travel-time and ETA computation
- Isochrone regions defined by time
- Visit arrival and departure times
- Visit duration
- Temporal clustering
- Time-derived Zone of Interest classification

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Woosmap service / API	Travel-time and isochrone computation is documented at API level.	YES
Woosmap SDK	Visit timing and temporal clustering are documented device-side SDK operations.	YES
Consumer mobile device	Visit records and clusters are documented as stored and processed on the device.	YES

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Distance API – Isochrone feature](https://developers.woosmap.com/products/distance-api/features/isochrone/)
<https://developers.woosmap.com/products/distance-api/features/isochrone/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Visits and Zone of Interest](https://developers.woosmap.com/products/geofencing-sdk/visits-zoi/)
<https://developers.woosmap.com/products/geofencing-sdk/visits-zoi/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing – SDK concepts documentation](https://developers.woosmap.com/products/geofencing-sdk/geofencing/)
<https://developers.woosmap.com/products/geofencing-sdk/geofencing/>

06 – TECHNICAL CORRESPONDENCE

Woosmap publicly demonstrates software processing of temporal information in conjunction with geographic information. The existence of ETA, duration and temporal-clustering software does not by itself establish that the precise time or period condition recited in Claim 19 is implemented in a particular notification workflow.

07 – OPEN QUESTION – DILIGENCE

Is a time or period condition specified by or on behalf of the consumer device, and evaluated together with the geographic condition, in a relevant United States deployment?

Instructions automatically disabling and enabling communication

Strong potential correspondence — deployment dependent

01 – VERBATIM GRANTED CLAIM LANGUAGE

such that the communication between the one or more secondary user devices and the primary user device is, automatically disabled when the one or more secondary user devices are not located at the particular location, or located outside the specified region or distance in relation to the geographical location, and outside the specified time or period of time, to thereby prevent sending of notifications to the one or more secondary user devices, and automatically enabled when the one or more secondary user devices are located at the particular location, or within the specified region or distance in relation to the geographical location, and at the specified time, or within the specified period of time, to thereby allow sending of notifications to the one or more secondary user devices.

02 – SOFTWARE REQUIREMENT

This is the decisive software limitation. The instructions must implement a two-state communication gate whose transitions are automatic and determined by the conjunction of the geographic and temporal conditions: disabled — and therefore preventing sending — outside those conditions, and enabled when both are satisfied.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap documents automatic event generation on geographic and ETA conditions, and integration instructions transmitting those events into engagement platforms where they act as triggers. The Marketing Cloud integration documents Entry Event triggering; Braze receives custom events tied to messaging campaigns; Batch expressly documents the events as Custom Event triggers in the Automation and Journey composers. In each case entry into the communication workflow is automatic on receipt of the event.

- Automatic event generation
- Entry Event triggering
- Custom-event triggers
- Automation and journey composers
- Campaign execution on trigger

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Woosmap SDK	Event generation and connector transmission are documented SDK operations.	YES
Customer-engagement platform	Trigger-based journey entry and communication execution are documented platform behaviour.	YES
NOT ESTABLISHED FROM PUBLIC EVIDENCE	No public material establishes instructions implementing the recited automatic disabling state in a deployment.	NOT ESTABLISHED

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Salesforce Marketing Cloud integration](https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Braze integration](https://developers.woosmap.com/products/geofencing-sdk/integration/braze/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/braze/>

[Woosmap \(developers.woosmap.com\) – Woosmap Geofencing SDK – Batch integration](https://developers.woosmap.com/products/geofencing-sdk/integration/batch/)

<https://developers.woosmap.com/products/geofencing-sdk/integration/batch/>

06 – TECHNICAL CORRESPONDENCE

A trigger-based architecture in which no event means no communication, and an event automatically initiates communication, is technically analogous to the claimed enable/disable gate. Analogy is not identity: the claim requires the conjunction of location and time, and requires the disabling state as an express software condition.

07 – OPEN QUESTION – DILIGENCE

Do the executable instructions in a specific deployment implement the precise claimed condition whereby communication is disabled until the required conditions are satisfied and automatically enabled when they are satisfied?

CLAIM 19 · ELEMENT 19I

VERY STRONG

Instructions allowing sending of the relevant notification

Very strong for software-driven notification capability

01 – VERBATIM GRANTED CLAIM LANGUAGE

... to thereby allow sending of notifications to the one or more secondary user devices.

02 – SOFTWARE REQUIREMENT

The final limitation requires that, on the conditions being satisfied, the instructions permit and effect delivery of the relevant notification to the consumer device. The software property required is execution of the communication, not merely capability.

03 – PUBLICLY DISCLOSED WOOSMAP FUNCTIONALITY

Woosmap's published geofencing material shows notifications generated when users enter or exit monitored places, and describes retail workflows in which arrival detection drives contextual application actions and customer notifications. The engagement-platform integrations document the events driving campaign and journey delivery to the same consumer devices on which the SDK executes.

- Event-driven notification generation
- Contextual application actions
- Campaign and journey delivery
- Delivery to the consumer device

04 – WHERE THE INSTRUCTIONS EXECUTE

EXECUTION LOCATION	PUBLIC BASIS	ESTABLISHED
Customer-engagement platform	Journey and campaign execution on event receipt is documented.	YES
Retailer application	The host application is documented as acting on SDK events, including presenting notifications.	YES
Consumer mobile device	Delivery target for the resulting communication.	YES

05 – PUBLIC EVIDENCE RELIED UPON

[Woosmap \(woosmap.com\)](https://www.woosmap.com) – [Woosmap Geofencing – commercial use case page](#)
<https://www.woosmap.com/use-case/geofencing>

[Woosmap \(developers.woosmap.com\)](https://developers.woosmap.com) – [Woosmap Geofencing – SDK concepts documentation](#)
<https://developers.woosmap.com/products/geofencing-sdk/geofencing/>

[Woosmap \(developers.woosmap.com\)](https://developers.woosmap.com) – [Woosmap Geofencing SDK – Batch integration](#)
<https://developers.woosmap.com/products/geofencing-sdk/integration/batch/>

06 – TECHNICAL CORRESPONDENCE

Software-driven notification execution on location events is publicly documented and directly relevant to this limitation. Complete Claim 19 correspondence requires the entire independent claim to be analysed as a combination, not merely the notification operation in isolation.

07 – OPEN QUESTION – DILIGENCE

In a relevant United States deployment, is the delivered notification the output of the claimed relevance-matching and conditional-gating instructions, rather than of unrelated campaign logic?

Evidence Register

Every public source relied upon in this chart, with its live URL. Sources accessed 26 August 2026.

EXHIBIT 01 · CITED AT 19D, 19F, 19G, 19I

Woosmap Geofencing — SDK concepts documentation

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/geofencing/>

Definition of geofencing as monitoring of a geographic area to recognise device presence within a boundary; enter/exit boundary-crossing events; geofences representing a store, competitor store, neighbourhood or other point of interest; automatically generated store geofences; and isochrone (time-based) geofences monitored against estimated time of arrival.

EXHIBIT 02 · CITED AT 19A

Woosmap Geofencing SDK — Get Started

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/get-started/>

Integration of the SDK into a business-controlled mobile application; identification of app-user location; local collection and storage of user locations and visits in the application database; and derivation of Zones of Interest, geographical and temporal clusters and recurrent locations.

EXHIBIT 03 · CITED AT 19I

Woosmap Geofencing — commercial use case page

Woosmap (woosmap.com)

<https://www.woosmap.com/use-case/geofencing>

Commercial description of geofencing triggering events on device entry or exit of a monitored region; contextualisation of push notifications at the right time and in the right place; support for distance-based, time-based, ETA/isochrone and recurrent geofences; and retail, geomarketing and offer-targeting use cases including tailoring by where users live or work.

EXHIBIT 04 · CITED AT 19D, 19F

Woosmap Android SDK — Monitor Woosmap Assets guide

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-woosmap-assets/>

Publicly documented geofence event identifiers woos_geofence_entered_event and woos_geofence_exited_event emitted when a monitored asset geofence is crossed.

EXHIBIT 05 · CITED AT 19G

Woosmap Distance API — Isochrone feature

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/distance-api/features/isochrone/>

Computation of isochrone polygons representing areas reachable within a given travel time, supporting time-based rather than purely distance-based catchment logic.

EXHIBIT 06 · CITED AT 19B, 19G

Woosmap Geofencing SDK — Visits and Zone of Interest

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/visits-zoi/>

Detection of when and where a user has spent time (visits) without explicit monitoring; assessment of time spent on each visit; definition of Zones of Interest as places where a user recurrently spends time; and the express statement that, when the Zones of Interest feature is activated, the SDK stores and clusters historical location data on the device for each user, identifying approximate home and office locations from the time distribution of clusters. Also publishes consumer context examples including commuting home and leaving the office for a click & collect order.

EXHIBIT 07 · CITED AT 19B

Woosmap iOS SDK — Monitor user visits guide

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/monitor-user-visits/>

Implementation-level documentation for collecting, storing, retrieving and processing visit records and Zone of Interest data on iOS consumer devices.

EXHIBIT 08 • CITED AT 19B**Woosmap Android SDK — Monitor user visits guide**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-user-visits/>

Implementation-level documentation for the SDK's embedded visit algorithm on Android, including persistence of visit records and derivation of Zones of Interest from collected location data.

EXHIBIT 09 • CITED AT 19C, 19E, 19H**Woosmap Geofencing SDK — Salesforce Marketing Cloud integration**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/integration/marketing-cloud/>

Transmission of Woosmap Geofencing SDK events to Salesforce Marketing Cloud from four context types — Geofences, POI, Visits and ZOI — to trigger an Entry Event; connector initialisation with EventDefinitionKeys for woos_geofence_entered_event, woos_geofence_exited_event, woos_POI_event, woos_Visit_event, woos_zoi_classified_entered_event and woos_zoi_classified_exited_event; and event data fields including user_properties.[field_name].

EXHIBIT 10 • CITED AT 19C, 19E, 19H**Woosmap Geofencing SDK — Braze integration**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/integration/braze/>

Transmission of Woosmap Geofencing SDK events from Geofences, POI, Visits and ZOI contexts to Braze as custom events with associated properties, tied back to push messaging campaigns.

EXHIBIT 11 • CITED AT 19C, 19H, 19I**Woosmap Geofencing SDK — Batch integration**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/integration/batch/>

Transmission of Woosmap Geofencing SDK events from Geofences, POI, Visits and ZOI contexts to Batch as custom events, expressly usable as a Custom Event trigger in the Automation and Journey composers.

EXHIBIT 12 • CITED AT 19A**Woosmap Geofencing SDK — Android setup and initialisation guide**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/setup/>

Distribution of the Geofencing SDK as an installable Android library (Gradle dependency on com.webgeoservices.woosmapgeofencing:woosmap-mobile-sdk), initialisation of the SDK within the host application, a location-ready listener callback delivering computed device locations to application code, and foreground / background execution controls.

EXHIBIT 13 • CITED AT 19A**Woosmap Geofencing SDK — iOS setup and initialisation guide**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/setup/>

Distribution of the Geofencing SDK as an iOS framework via CocoaPods and Swift Package Manager, initialisation of WoosmapGeofenceManager from the application delegate, background monitoring control and tracking enablement instructions executed on the consumer device.

EXHIBIT 14 • CITED AT 19D, 19F**Woosmap Android SDK — Monitor places with custom geofence**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/android-sdk/guides/monitor-pois/>

Programmatic registration of circular geofences of specified radius, region-ready and region-log listener callbacks exposing boundary state to application code, and persistence and retrieval of region and region-log records on the consumer device.

EXHIBIT 15 • CITED AT 19D**Woosmap iOS SDK — Monitor places with custom geofence**

Woosmap (developers.woosmap.com)

<https://developers.woosmap.com/products/geofencing-sdk/ios-sdk/guides/monitor-pois/>

Region service delegate instructions maintaining monitored region state on iOS, together with location, POI and region delegate registration performed at application launch.