

Apple Inc.

v.

Uniloc 2017 LLC

Case IPR2017-01993
(Patent 9,414,199)

Hearing Before Miriam L. Quinn,
Kerry Begley, and
Charles J. Boudreau

December 4, 2018

Independent Claim 1

1. A method for delivering information to two or more user devices, the method comprising:

retrieving the information from one or more data records that associate the information with one or more predetermined locations, a predetermined maximum amount of time, a predetermined likelihood, and one or more predetermined actions; and

for each of the two or more user devices:

predicting whether the user device will be at any of the one or more predetermined locations within the predetermined maximum amount of time with at least the predetermined likelihood; and

in response to the predicting that the user device will be at any of the one or more predetermined locations within the predetermined maximum amount of time with at least the predetermined likelihood, performing the one or more predetermined actions;

wherein at least one of the actions includes delivering the information to the user device.

Dependent Claims 2–5

2. The method of claim 1 wherein predicting comprises: analyzing a location history of the user device.
3. The method of claim 1 wherein predicting comprises: analyzing a location history of the user device for day- and time-based patterns related to **a current time and a current day**.
4. The method of claim 1 wherein predicting comprises: analyzing a location history of the user device for movement patterns related to **a current location of the user device**.
5. The method of claim 1 further comprising: analyzing a location history of the user device for patterns that involve day- and time-based and movement related to **a current time, a current day, and a current location of the user device**.

Claim Construction Dispute

The only claim construction proposed and defended in the briefing for “**within the predetermined maximum amount of time**” (claim 1) is the following:

a predetermined maximum quantity of time starting from when the “predicting” calculation is executed

The “current context” of the ’199 patent

To make a prediction regarding future locations of the user device, the server considers the user device’s location history in a current context. One part of the current context is the current day and the current time. To appreciate this context, it is helpful to consider an example. Consider that a new department store has opened at a given location. The manager of the department store can request that anyone that is at least 50% likely to visit a store considered to be in competition of the department store within one hour should be sent a promotional code entitling that person to a discount. To do so, the manager can specify locations of all competing stores within a five-mile radius of the given location as the one or more predetermined locations. In addition, the manager can specify 50% as the predetermined minimum likelihood and one hour as the predetermined maximum amount of time. The manager can also specify days and times at which the actions are applicable, e.g., only during hours at which the new department store is open.

Ex. 1001, ’199 patent, col. 1 lines 47–64

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