

CLAIMS

1. A method for obtaining an abbreviated name of a point of interest (POI) on a map, the method comprising:

generating a plurality of abbreviated names to be evaluated based on a full name of a POI on a map;

obtaining, from an area within a predetermined distance of the POI, a plurality of address names comprising the full name of the POI or any of the abbreviated names to be evaluated;

calculating a phrase status vector of a target phrase based on the address name, wherein the phrase status vector is used to indicate a location status of the target phrase in the address name, and the target phrase is the full name of the POI or any of the abbreviated names to be evaluated;

separately calculating similarity between a phrase status vector of the full name of the POI and a phrase status vector of any of the abbreviated names to be evaluated; and

determining an abbreviated name to be evaluated corresponding to similarity greater than a predetermined threshold as an abbreviated name of the POI corresponding to the full name of the POI.

2. The method according to claim 1, wherein generating a plurality of abbreviated names to be evaluated based on a full name of a POI on a map comprises:

combining single words comprised in the full name of the POI in a single word arrangement sequence, to form combinations of any number of single words, wherein each combination is an abbreviated name, and a plurality of abbreviated names are obtained; and

removing, from the plurality of abbreviated names, a single word and a noise phrase determined as an abbreviated name of a non-POI, wherein a remaining abbreviated name is the to-be-evaluated abbreviated name.

3. The method according to claim 1, wherein calculating a phrase status vector of a target phrase based on the address name, wherein the phrase status vector is used to indicate a location status of the target phrase in the address name comprises:

obtaining a neighboring phrase of the target phrase from any of the plurality of address names; and

using a frequency that each neighboring phrase appears in the plurality of address names as a dimension value of a vector dimension of the phrase status vector of the target phrase.

4. The method according to claim 1, wherein calculating similarity between a phrase status vector of the full name of the POI and a phrase status vector of any of the abbreviated names to be evaluated comprises:

calculating cosine similarity between the phrase status vector of the full name of the POI and the phrase status vector of any of the abbreviated names to be evaluated.

5. The method according to claim 1, wherein there is at least one to-be-evaluated abbreviated name corresponding to the similarity greater than the predetermined threshold.

6. The method according to claim 1, further comprising providing the determined abbreviated name to support searching a map for the POI.

7. The method according to claim 1, further comprising:

determining a mapping relationship between the full name of the POI and the determined abbreviated name of the POI;

using the determined mapping relationship to search for the POI on a map or other application related to address entry.

8. The method according to claim 7, wherein using the determined mapping relationship to search the POI on a map or other application related to address entry comprises:

receiving data representing the abbreviated name of the POI entered by a user;

determining the corresponding full name of the POI using the established mapping relationship; and

providing, to the user, the determined corresponding full name of the POI.

9. The method according to claim 8, further comprising providing, to the user, one or more user selectable auto-complete options comprising addresses related to the determined corresponding full name of the POI.

10. An apparatus for obtaining an abbreviated name of a POI on a map, the apparatus comprising multiple modules configured to perform the method of any one of claims 1 to 9.