

CLAIMS

1. A data calling method, comprising:

receiving first motion data and business data,

wherein the first motion data is sent by a first user who provides the business data; and

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image;

establishing an association relationship between the first motion data and the business data and storing the association relationship, wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored;

receiving second motion data sent by a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image; and

determining the first motion data of the first user that matches the second motion data of the second user, and returning, to the second user, the business data associated with the matched first motion data.

2. A data storage method, comprising:

receiving first motion data and business data sent by a first user, wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

establishing an association relationship between the first motion data and the business data and storing the association relationship, wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored,

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

3. The method of claim 2, wherein the establishing an association relationship between the first motion data and the business data specifically comprises:

determining geographical location information of the first user; and

establishing association relationships among the first motion data, the business data and the geographical location information and storing the association relationships.

4. The method of claim 2, wherein the receiving first motion data sent by a first user specifically comprises:

receiving motion description information sent by the first user; and

determining, from pre-stored pieces of motion data, motion data corresponding to the motion description information as received first motion data.

5. The method of claim 2, wherein the business data includes text, a picture or a uniform resource locator URL.

6. The method of claim 3, wherein the establishing association relationships among the first motion data, the business data and the geographical location information specifically comprises:

determining, from stored geographical location information associated with business data, geographical location information from which the distance to the geographical location information of the first user falls within a specified distance range as adjacent location information; and

determining whether there is motion data whose similarity with the first motion data exceeds a threshold in motion data respectively associated with the pieces of adjacent location information;

if yes, notifying the first user to change the first motion data; and

if not, establishing the association relationships among the first motion data, the business data and the geographical location information.

7. A data storage method, comprising:

collecting, by a first terminal, first motion data of a first user and determining business data, wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

sending the first motion data and the business data to a server, so that the server establishes an association relationship between the first motion data and the business data and stores the association relationship,

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship;

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

8. The method of claim 7, wherein the sending the first motion data and the business data to a server specifically comprises:

collecting geographical location information of the first terminal; and

sending the geographical location information of the first terminal, the first motion data and the business data to the server, so that the server establishes association relationships among the first motion data, the business data and the geographical location information and stores the association relationships.

9. A data calling method, comprising:

receiving second motion data sent by a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

determining first motion data that matches the second motion data,

wherein the first motion data is sent by a first user who provides business data;
and

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

returning, to the second user, the business data associated with the determined first motion data, wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored.

10. The method of claim 9, wherein the determining first motion data that matches the second motion data specifically comprises:

for every piece of stored first motion data, performing similarity calculation between the first motion data and the second motion data to determine whether the similarity is higher than a preset threshold;

if yes, determining that the first motion data matches the second motion data; and

if not, determining that the first motion data does not match the second motion data.

11. The method of claim 9, wherein the determining first motion data that matches the second motion data specifically comprises:

determining geographical location information of the second user;

determining, from stored geographical location information respectively associated with pieces of first motion data, geographical location information from which the distance to

the geographical location information of the second user falls within a specified distance range as adjacent location information; and

determining the first motion data that matches the second motion data from first motion data respectively associated with the pieces of adjacent location information.

12. The method of claim 9, wherein the returning, to the second user, business data associated with the matched first motion data specifically comprises:

when multiple pieces of first motion data that match the second motion data are determined, sending, to the second user, data IDs of business data associated with the determined pieces of first motion data; and

according to a data ID selected by the second user, returning business data associated with the data ID selected by the second user.

13. A data calling method, comprising:

collecting, by a second terminal, second motion data of a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

sending the second motion data to a server; and

receiving business data returned by the server and associated with first motion data that matches the second motion data,

wherein the first motion data is sent by a first user who provides the business data;

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion

data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship.

14. The method of claim 13, wherein the sending the second motion data to a server specifically comprises:

collecting geographical location information of the second terminal; and

sending the geographical location information and the second motion data to the server so that the server determines geographical location information from which the distance to the geographical location information of the second terminal falls within a specified distance range as adjacent location information, and determines, from stored first motion data respectively associated with the pieces of adjacent location information, the first motion data that matches the second motion data.

15. The method of claim 13, wherein the receiving business data returned by the server and associated with first motion data that matches the second motion data specifically comprises:

when receiving multiple data IDs returned by the server and corresponding to business data associated with the first motion data that matches the second motion data, returning, to the server, a data ID selected by the second user; and

receiving business data determined by the server according to the data ID selected by the second user.

16. A data storage device, comprising:

a receiving module for receiving first motion data and business data sent by a first user;
and

a storage module for establishing an association relationship between the first motion data and the business data and storing the association relationship,

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image;

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored;

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

17. The device of claim 16, wherein the storage module determines geographical location information of the first user, establishes association relationships among the first motion data, the business data and the geographical location information, and stores the association relationships.

18. The device of claim 16, wherein the receiving module receives motion description information sent by the first user, and determines, from pre-stored pieces of

motion data, motion data corresponding to the motion description information as received first motion data.

19. The device of claim 16, wherein the business data includes text, a picture or a uniform resource locator URL.

20. The device of claim 17, wherein the storage module determines, from stored geographical location information associated with business data, geographical location information from which the distance to the geographical location information of the first user falls within a specified distance range as adjacent location information, and then determines whether there is motion data whose similarity with the first motion data exceeds a threshold in motion data respectively associated with the pieces of adjacent location information, if yes, notifies the first user to change the first motion data, and if not, establishes association relationships among the first motion data, the business data and the geographical location information.

21. A data storage device, comprising:

a collecting and determining module for collecting first motion data of a first user and determining business data, wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

a sending module for sending the first motion data and the business data to a server, so that the server establishes an association relationship between the first motion data and the business data and stores the association relationship,

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion

data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship;

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

22. The device of claim 21, wherein the sending module collects geographical location information of the device, sends the geographical location information of the device, the first motion data and the business data to the server, so that the server establishes association relationships among the first motion data, the business data and the geographical location information and stores the association relationships.

23. A data calling device, comprising:

a receiving module for receiving second motion data sent by a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

a determining module for determining first motion data that matches the second motion data,

wherein the first motion data is sent by a first user who provides business data;

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

a sending module for returning, to the second user, the business data associated with the determined first motion data,

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored.

24. The device of claim 23, wherein, for every piece of stored first motion data, the determining module performs similarity calculation between the first motion data and the second motion data to determine whether the similarity is higher than a preset threshold, if yes, determines that the first motion data matches the second motion data, and if not, determines that the first motion data does not match the second motion data.

25. The device of claim 23, wherein the determining module determines geographical location information of the second user, determines, from stored geographical location information respectively associated with pieces of first motion data, geographical location information from which the distance to the geographical location information of the second user falls within a specified distance range as adjacent location information, and determines, from first motion data respectively associated with the pieces of adjacent location information, first motion data that matches the second motion data.

26. The device of claim 23, wherein, when multiple pieces of first motion data that match the second motion data are determined, the sending module sends data IDs of business

data associated with the determined pieces of first motion data to the second user, and according to a data ID selected by the second user, returns business data corresponding to the data ID selected by the second user.

27. A data calling device, comprising:

a collecting module for collecting second motion data of a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

a sending module for sending the second motion data to a server; and

a receiving module for receiving business data returned by the server and associated with first motion data that matches the second motion data,

wherein the first motion data is sent by a first user who provides the business data; and

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship.

28. The device of claim 27, wherein the sending module collects geographical location information of the device, sends the geographical location information and the second motion data to the server so that the server determines geographical location information from which the distance to the geographical location information of the device

falls within a specified distance range as adjacent location information, and determines, from stored first motion data respectively associated with the pieces of adjacent location information, the first motion data that matches the second motion data.

29. The device of claim 27, wherein, when receiving multiple data IDs returned by the server and corresponding to business data associated with the first motion data that matches the second motion data, the receiving module returns to the server a data ID selected by the second user and receives business data determined by the server according to the data ID selected by the second user.

30. A server, comprising one or more processors and a memory, wherein the memory stores a program, and configured that the one or more processors perform the following steps:

receiving first motion data and business data sent by a first user, wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

establishing an association relationship between the first motion data and the business data and storing the association relationship, wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored;

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

31. A mobile terminal, comprising one or more processors and a memory, wherein the memory stores a program, and configured that the one or more processors perform the following steps:

collecting first motion data of a first user and determining business data, wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

sending the first motion data and the business data to a server, so that the server establishes an association relationship between the first motion data and the business data and stores the association relationship, wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship;

wherein the first motion data is sent by the first user who provides the business data, such that a second user can obtain the business data associated with the first motion data by sending second motion data that matches the first motion data; and

wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image.

32. A server, comprising one or more processors and a memory, wherein the memory stores a program, and configured that the one or more processors perform the following steps:

receiving second motion data sent by a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

determining first motion data from a first user that matches the second motion data by the second user,

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image; and

wherein the first motion data is sent by a first user who provides business data; and

returning, to the second user, the business data associated with the determined first motion data,

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the association relationship between the first motion data and the business data is established, and the first motion data, the business data, and the established association relationship are stored.

33. A mobile terminal, comprising one or more processors and a memory, wherein the memory stores a program, and configured that the one or more processors perform the following steps:

collecting second motion data of a second user, wherein the second motion data includes at least one of second acceleration data, second angular velocity data, and a second motion image;

sending the second motion data to a server; and

receiving business data returned by the server and associated with first motion data that matches the second motion data,

wherein the first motion data includes at least one of first acceleration data, first angular velocity data, and a first motion image;

wherein the first motion data is sent by a first user who provides the business data; and

wherein the first motion data and the business data both include an account ID of the first user and when it is determined, according to the account ID included in the first motion data and the business data, that the first motion data and the business data have the association relationship, the server establishes the association relationship between the first motion data and the business data, and stores the first motion data, the business data, and the established association relationship.