

CLAIMS

1. An identity recognition method at an apparatus having at least a processor and a memory containing instructions executed by the processor, the method comprising:
 - the processor collecting big data of address books, the big data of address books comprising address books of multiple users, each address book comprising multiple identity information pairs, and each identity information pair comprising a name and a mobile phone number;
 - the processor comparing an identity information pair to be recognized with the big data of address books to obtain an information comparison result, the identity information pair to be recognized comprising a name and a mobile phone number of a user to be recognized; and
 - if the information comparison result satisfies a risk condition, the processor determining that the user is a user having a risk.
2. The method according to claim 1, wherein the processor comparing an identity information pair to be recognized with the big data of address books to obtain an information comparison result comprises:
 - the processor performing statistical analysis on the identity information pairs in the big data of address books to obtain an information weight corresponding to each of the identity information pairs, the information weight being used to indicate a degree of credibility of the identity information pair; and
 - the processor obtaining an information weight corresponding to the identity information pair to be recognized from the statistical analysis result.
3. The method according to claim 2, wherein the if the information comparison result satisfies a risk condition, the processor determining that the user is a user having a risk comprises:
 - if the statistical analysis result does not include an information weight corresponding to the identity information pair to be recognized, or
 - if the information weight corresponding to the identity information pair to be recognized is lower than a preset weight threshold,
 - the processor determining that the user to be recognized is a user having a risk.
4. The method according to claim 2, wherein the processor performing statistical

analysis on the identity information pairs in the big data of address books to obtain an information weight corresponding to each of the identity information pairs, comprises:

the processor using the number of address books comprising the identity information pair as the information weight of the identity information pair; alternatively, the processor calculating a pagerank value of each of the identity information pairs using a pagerank method, and using the pagerank value as the information weight of the identity information pair.

5. The method according to claim 2, wherein, before the processor performing statistical analysis on the identity information pairs in the big data of address books, the method further comprises:

the processor performing inconsistency correction processing on identity information pairs in different address books.

6. An identity recognition device, comprising:

a data collecting module configured to collect big data of address books, the big data of address books comprising address books of multiple users, each address book comprising multiple identity information pairs, and each identity information pair comprising a name and a mobile phone number;

an information comparing module configured to compare an identity information pair to be recognized with the big data of address books to obtain an information comparison result, the identity information pair to be recognized comprising a name and a mobile phone number of a user to be recognized; and

a risk determining module configured to determine, if the information comparison result satisfies a risk condition, that the user to be recognized is a user having a risk.

7. The device according to claim 6, wherein the information comparing module comprises:

a weight statistics obtaining unit configured to perform statistical analysis on the identity information pairs in the big data of address books to obtain an information weight corresponding to each of the identity information pairs, the information weight being used to indicate a degree of credibility of the identity information pair; and

a weight obtaining unit configured to obtain an information weight corresponding to the identity information pair to be recognized from the statistical analysis result.

8. The device according to claim 7, wherein the risk determining module is configured to, for example, if the statistical analysis result does not include an information weight corresponding to the identity information pair to be recognized, or if the information weight corresponding to the identity information pair to be recognized is lower than a preset weight threshold, determine that the user to be recognized is a user having a risk.

9. The device according to claim 7, wherein the weight statistics obtaining unit is configured to use the number of address books comprising the identity information pair as the information weight of the identity information pair; alternatively, calculate a pagerank value of each of the identity information pairs using a pagerank method, and use the pagerank value as the information weight of the identity information pair.

10. The device according to claim 7, wherein the weight statistics obtaining unit is further configured to perform inconsistency correction processing on identity information pairs in different address books before performing statistical analysis on the identity information pairs in the big data of address books.