CLAIMS

1. A method for updating search cache, comprising:

when hot content is updated, extracting a first search term corresponding to information of the hot content, and updating the first search term into a pre-established first database, wherein, the first database stores a search term of hot content;

when a search request is received, querying the first database according to a search term in the search request and determining whether a second search term is obtained;

when the second search term is obtained and determined to be valid, querying a pre-established second database according to the second search term to obtain cache content of a first search result, wherein, the second database stores cache content of a search result; and

determining whether the cache content of the first search result is valid; if the cache content of the first search result is valid, taking information in the cache content of the first search result as a first search request result; if the cache content of the first search result is not valid, forwarding the search request to a search engine, obtaining a second search request result and updating the second search request result into the second database,

wherein valid time of the search term of hot content in the first database is longer than valid time of the cache content of the search result of hot content in the second database.

2. The method for updating search cache according to claim 1, wherein, before extracting a first search term corresponding to information of the hot content and updating the first search term into a first database, the method further comprises:

receiving a message queue of the hot content, and updating a search term corresponding to the message queue into the first database.

3. The method for updating search cache according to claim 1, wherein, determining that the second search term is valid comprises:

determining a first difference between a timestamp of obtaining the second search

term and a timestamp of writing the second search term;

if the first difference is smaller than a first preset valid period, determining that the second search term is valid; and

determining whether the cache content of the first search result is valid comprises:

determining a second difference between a timestamp of obtaining the cache content of the first search result and a timestamp of writing the cache content of the first search result;

determining whether the cache content of the first search result is valid according to whether the second difference is smaller than a second preset valid period.

4. The method for updating search cache according to claim 1, wherein, the method further comprises:

when the second search term is obtained and determined to be not valid, forwarding the search request to the search engine, obtaining a third search request result and updating the third search request result into the second database.

5. The method for updating search cache according to claim 4, wherein, the method further comprises:

when the second search term is not obtained, querying the second database according to the search request to obtain cache content of a second search result and determining whether the cache content of the second search result is valid;

if the cache content of the second search result is valid, taking information in the cache content of the second search result as a fourth search request result;

if the cache content of the second search result is not valid, forwarding the search request to the search engine, obtaining a fifth search request result and updating the fifth search request result into the second database.

6. The method for updating search cache according to claim 5, wherein, determining whether the cache content of the second search result is valid comprises:

determining a third difference between a timestamp of obtaining the cache content of the second search result and a timestamp of writing the cache content of the second

search result; and

determining whether the cache content of the second search result is valid according to whether the third difference is smaller than a third preset valid period.

7. The method for updating search cache according to claim 5, wherein, after taking information in the cache content of the first search result as a first search request result, the method further comprises:

returning the first search request result to a search request client; or

after obtaining the second search request result, the method further comprises:

returning the second search request result to a search request client; or

after obtaining the third search request result, the method further comprises:

returning the third search request result to a search request client; or

after taking information in the cache content of the second search result as a fourth search request result, the method further comprises:

returning the fourth search request result to a search request client; or

after obtaining the firth search request result, the method further comprises:

returning the fifth search request result to a search request client.

8. An apparatus for updating search cache, comprising:

a search term updating module, used to, when hot content is updated, extract a first search term corresponding to information of the hot content, and update the first search term into a pre-established first database, wherein, the first database stores a search term of hot content;

a search term determining module, used to, when receiving a search request, query the first database according to a search term in the search request and determine whether a second search term is obtained;

a first cache obtaining module, used to, when the second search term is obtained and determined to be valid, query a pre-established second database according to the second search term to obtain cache content of a first search result, wherein, the second database stores cache content of a search result;

a first cache determining module, used to determine whether the cache content of the first search result is valid;

a first search request result obtaining module, used to, when the first cache determining module determines that the cache content of the first search result is valid, take information in the cache content of the first search result as a first search request result; and

a second search request result obtaining module, used to, when the first cache determining module determines that the cache content of the first search result is not valid, forward the search request to a search engine, obtain a second search request result and update the second search request result into the second database,

wherein valid time of the search term of hot content in the first database is longer than valid time of the cache content of the search result of hot content in the second database.

9. The apparatus for updating search cache according to claim 8, further comprising:

a search term establishing module, used to receive a message queue of the hot content and update a search term corresponding to the message queue into the first database.

10. The apparatus for updating search cache according to claim 8, wherein, the first cache obtaining module comprises:

a first difference determining sub-module, used to determine a first difference between a timestamp of obtaining the second search term and a timestamp of writing the second search term; and

a second search term validity determining sub-module, used to determine that the second search term is valid if the first difference is smaller than a first preset valid period; and

the first cache determining module comprises:

a second difference determining sub-module, used to determine a second difference between a timestamp of obtaining the cache content of the first search result and a

timestamp of writing the cache content of the first search result; and

a first cache validity determining sub-module, used to determine whether the cache content of the first search result is valid according to whether the second difference is smaller than a second preset valid period.

11. The apparatus for updating search cache according to claim 8, further comprising:

a third search request result obtaining module, used to, when the second search term is obtained and determined to be not valid, forward the search request to the search engine, obtain a third search request result and update the third search request result into the second database.

12. The apparatus for updating search cache according to claim 11, further comprising:

a second cache obtaining module, used to, when the second search term is not obtained, query the second database according to the search request to obtain cache content of a second search result;

a second cache determining module, used to determine whether the cache content of the second search result is valid;

a fourth search request result obtaining module, used to, when the second cache determining module determines that the cache content of the second search result is valid, takes information in the cache content of the second search result as a fourth search request result; and

a fifth search request result obtaining module, used to, when the second cache determining module determines that the cache content of the second search result is not valid, forward the search request to the search engine, obtain a fifth search request result and update the fifth search request result into the second database.

13. The apparatus for updating search cache according to claim 12, wherein, the second cache determining module comprises:

a third difference determining sub-module, used to determine a third difference between a timestamp of obtaining the cache content of the second search result and a

timestamp of writing the cache content of the second search result; and

a second cache validity determining sub-module, used to determine whether the cache content of the second search result is valid according to whether the third difference is smaller than a third preset valid period.

14. The apparatus for updating search cache according to claim 12, further comprising:

a first search request result returning module, used to return the first search request result to a search request client; or

a second search request result returning module, used to return the second search request result to a search request client; or

a third search request result returning module, used to return the third search request result to a search request client; or

a fourth search request result returning module, used to return the fourth search request result to a search request client; or

a fifth search request result returning module, used to return the fifth search request result to a search request client.

15. An electronic device, comprising a processor, a communication interface, a memory and a communication bus, wherein, the processor, the communication interface and the memory communicate with each other via the communication bus;

the memory is used to store an application program; and

the processor is used to execute the application program stored in the memory, so as to perform the steps of the method according to any one of claims 1 to 7.

16. An application program for performing the steps of the method according to any one of claims 1 to 7 when being executed.

17. A storage medium for storing an application program, which is used to perform the steps of the method according to any one of claims 1 to 7 when being executed.