WE CLAIM

1. A method for processing information associated with video, comprising:

storing an association relationship between identification information of a first video and identification information of a second video, wherein the first video and the second video comprise a same video content segment;

storing positioning information of the same video content segment in the first video; storing positioning information of the same video content segment in the second video; or storing positioning information of the same video content segment in the first video and positioning information of the same video content segment in the second video;

receiving a video query request message, wherein the video query request message comprises the identification information of the first video or the identification information of the second video; and

in a case where the video query request message comprises the identification information of the first video, acquiring the identification information of the second video associated with the identification information of the first video, and returning a video query response message comprising the identification information of the second video; or in a case where the video query request message comprises the identification information of the second video, acquiring the identification information of the first video associated with the identification information of the second video, and returning a video query response message comprising the identification information of the first video,

wherein in a case where the video query request message comprises the identification information of the first video and a playing progress of the first video, the method further comprises:

acquiring corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video, wherein the video query response message comprises the identification information of the second video associated with the identification information of the first video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video; or

in a case where the video query request message comprises the identification information of the second video and a playing progress of the second video, the method further comprising:

acquiring corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video, wherein the video query response message comprises the identification information of the first video associated with the identification information of the second video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video.

2. The method of claim 1, wherein before storing the association relationship between the identification information of the first video and the identification information of the second video, the method further comprises:

acquiring the association relationship between the identification information of the first video and the identification information of the second video;

wherein the association relationship is acquired in at least one of following manners:

taking, according to a video content analysis result of at least two videos, two videos comprising a same video content segment as the first video and the second video respectively, and acquiring the association relationship between the identification information of the first video and the identification information of the second video;

segmenting the second video to acquire the first video through video segmentation, and acquiring the association relationship between the identification information of the first video and the identification information of the second video;

acquiring the association relationship between the identification information of the first video and the identification information of the second video; or

acquiring through a video association relationship list, wherein the video association relationship list comprises the association relationship between the identification information of the first video and the identification information of the second video.

3. The method of claim 1, wherein the positioning information in the first video and the positioning information in the second video each comprise at least one of:

timestamp information, video frame information, or audio frame information.

4. The method of claim 3, wherein the timestamp information comprises at least one of: reference time of the same video content segment in the first video, or reference time of the same video content segment in the second video;

the video frame information comprises at least one of: a reference video frame of the same video content segment in the first video, or a reference video frame of the same video content segment in the second video; and

the audio frame information comprises at least one of: a reference audio frame of the same video content segment in the first video, or a reference audio frame of the same video content segment in the second video.

5. The method of claim 1, wherein the video query response message further comprises at least one of:

the positioning information of the same video content segment in the first video; or

the positioning information of the same video content segment in the second video.

6. The method of claim 1, in a case where the video query request message comprises the identification information of the first video, the method further comprises:

acquiring a playing progress of the first video, and acquiring corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video, wherein the video query response message comprises the identification information of the second video associated with the identification information of the first video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video; or

in a case where the video query request message comprises the identification information of the second video, the method further comprising:

acquiring a playing progress of the second video, and acquiring corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video, wherein the video query response message comprises the identification information of the first video associated

with the identification information of the second video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video.

7. The method of any one of claims 1 to 6, wherein the same video content segment has a similarity value greater than a preset threshold.

8. The method of claim 5 or 6, wherein the same video content segment comprises one of:

an entire content segment of the first video;

an entire content segment of the first video; or

a partial content segment of the first video, and a partial content segment of the second video.

9. A method for querying information associated with video comprising:

sending a video query request message, wherein the video query request message comprises identification information of a first video or identification information of a second video; and

receiving a video query response message;

wherein in a case where the video query request message comprises the identification information of the first video, the video query response message comprises the identification information of the second video associated with the identification information of the first video; or in a case where the video query request message comprises the identification information of the second video, the video query response message comprises the identification information of the first video associated with the identification information of the second video, and the first video and the second video comprise a same video content segment,

wherein the video query response message further comprises at least one of:

positioning information of the same video content segment in the first video; or

positioning information of the same video content segment in the second video,

wherein based on a case where the video query request message comprises the identification information of the first video and a playing progress of the first video, the video query response message comprises the identification information of the second video associated with the identification information of the first video and corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video; or

based on a case where the video query request message comprises the identification information of the second video and a playing progress of the second video, the video query response message comprises the identification information of the first video associated with the identification information of the second video and corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video.

10. The method of claim 9, wherein

based on the case where the video query request message comprises the identification information of the first video, the video query response message comprises the identification information of the second video associated with the identification information of the first video and corresponding positioning information of the same video content segment corresponding to a playing progress of the first video in the second video; or

based on the case where the video query request message comprises the identification information of the second video, the video query response message comprises the identification information of the first video associated with the identification information of the second video and corresponding positioning information of the same video content segment corresponding to a playing progress of the second video in the first video.

11. An apparatus for processing information associated with video, comprising:

a storage module, which is configured to store an association relationship between identification information of a first video and identification information of a second video and to store positioning information of the same video content segment in the first video; store positioning information of the same video content segment in the second video; or store positioning information of the same video content segment in

the first video and positioning information of the same video content segment in the second video, wherein the first video and the second video comprise a same video content segment;

a receiving module, which is configured to receive a video query request message, wherein the video query request message comprises the identification information of the first video or the identification information of the second video; and

a sending module, which is configured to: in a case where the video query request message comprises the identification information of the first video, acquire the identification information of the second video associated with the identification information of the first video, and return a video query response message comprising the identification information of the second video; or in a case where the video query request message comprises the identification information of the second video, acquire the identification information of the first video associated with the identification information of the second video, and return a video query response message comprising the identification information of the first video,

wherein the sending module is further configured to: in a case where the video query request message comprises the identification information of the first video and a playing progress of the first video, acquire corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video, wherein the video query response message comprises the identification information of the second video associated with the identification information of the first video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video; or

in a case where the video query request message comprises the identification information of the second video and a playing progress of the second video, acquire corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video, wherein the video query response message comprises the identification information of the first video associated with the identification information of the second video and the corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video.

12. An apparatus for querying information associated with video comprising:

a sending module, which is configured to send a video query request message, wherein the video query request message comprises identification information of a first video or identification information of a second video; and

a receiving module, which is configured to receive a video query response message;

wherein in a case where the video query request message comprises the identification information of the first video, the video query response message comprises the identification information of the second video associated with the identification information of the first video; and in a case where the video query request message comprises the identification information of the second video, the video query response message comprises the identification information of the first video associated with the identification information of the second video, and the first video and the second video comprise a same video content segment,

wherein the video query response message further comprises at least one of:

positioning information of the same video content segment in the first video; or

positioning information of the same video content segment in the second video,

wherein based on a case where the video query request message comprises the identification information of the first video and a playing progress of the first video, the video query response message comprises the identification information of the second video associated with the identification information of the first video and corresponding positioning information of the same video content segment, corresponding to the playing progress of the first video, in the second video; or

based on a case where the video query request message comprises the identification information of the second video and a playing progress of the second video, the video query response message comprises the identification information of the first video associated with the identification information of the second video and corresponding positioning information of the same video content segment, corresponding to the playing progress of the second video, in the first video.

13. An electronic device, comprising:

at least one processor; and

a memory, which is configured to store at least one program;

wherein the at least one program, when executed by the at least one processor, causes the at least one processor to implement at least one of: the method of any one of claims 1 to 8; or the method of any one of claims 9 to 10.

14. A computer-readable storage medium for storing a computer program, which, when executed by a processor, implements at least one of: the method of any one of claims 1 to 8; or the method of any one of claims 9 to 10.