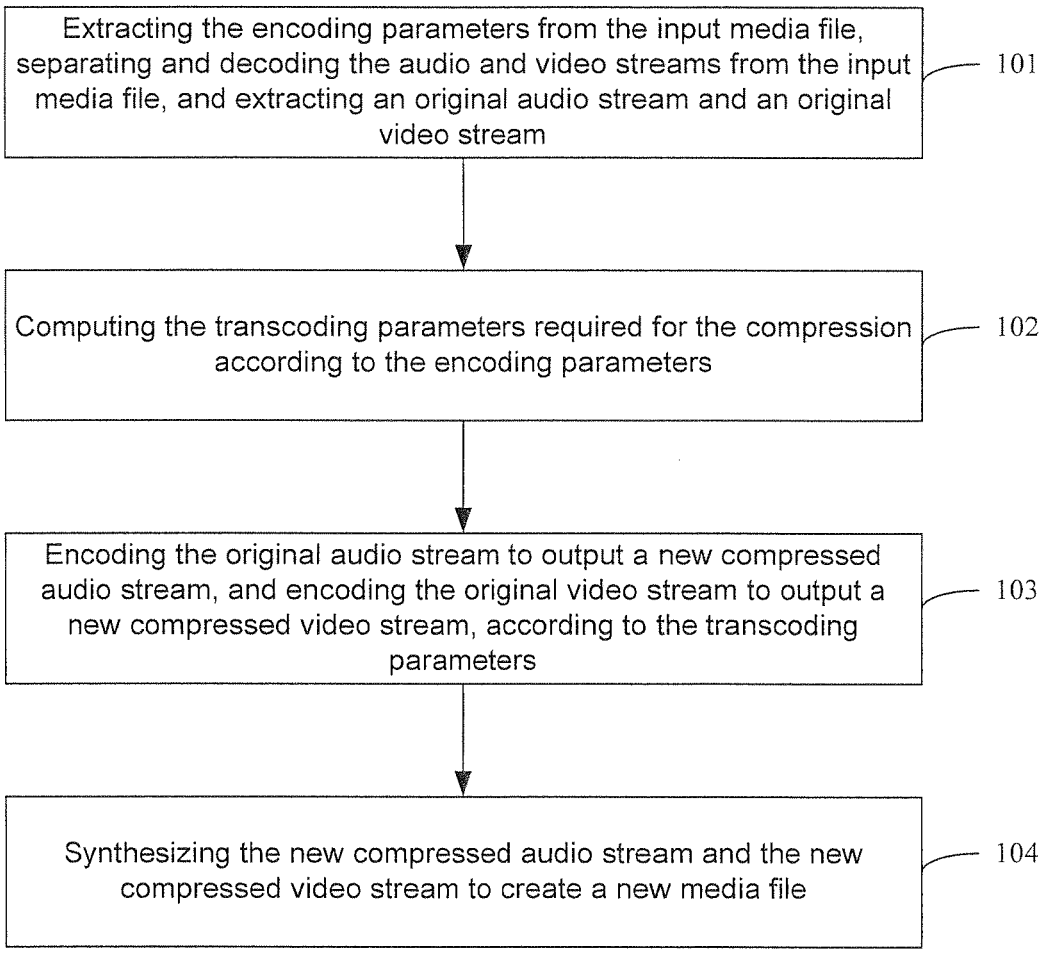

Extracting the encoding parameters from the input media file, separating and decoding the audio and video streams from the input media file, and extracting an original audio stream and an original video stream
101
Computing the transcoding parameters required for the compression according to the encoding parameters
102
Encoding the original audio stream to output a new compressed audio stream, and encoding the original video stream to output a new compressed video stream, according to the transcoding parameters
103
Synthesizing the new compressed audio stream and the new compressed video stream to create a new media file
104

Fig. 1

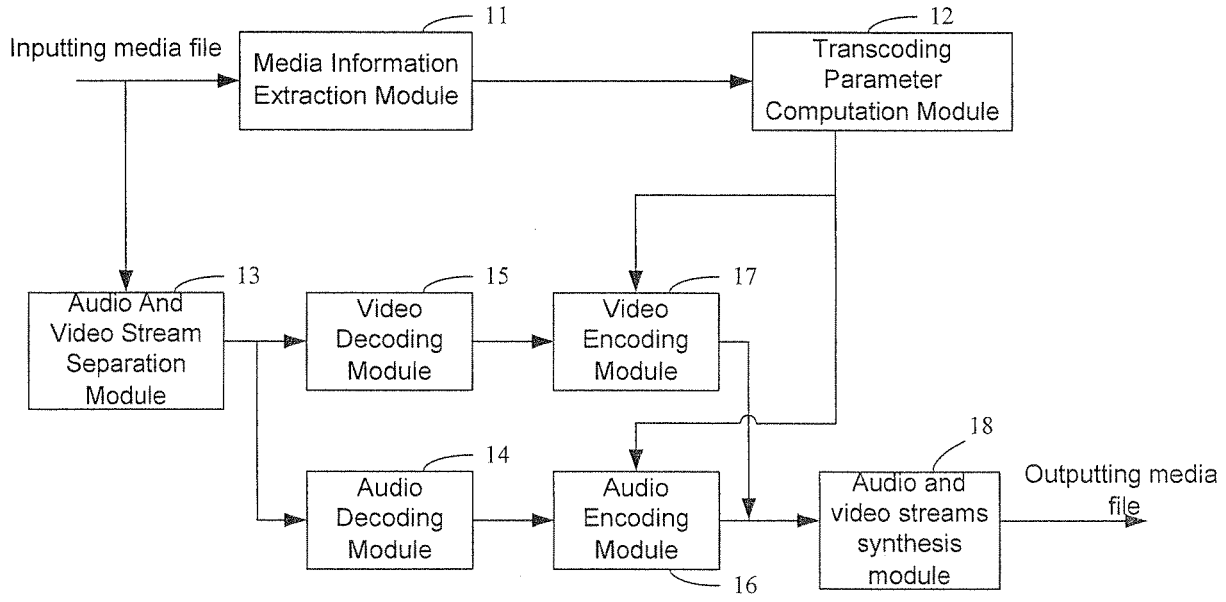

Inputting media file
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Media Information Extraction Module
12
Transcoding Parameter Computation Module
13
Audio And Video Stream Separation Module
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Video Decoding Module
17
Video Encoding Module
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Audio Decoding Module
Audio Encoding Module
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18
Audio and video streams synthesis module
Outputting media file

Fig. 2