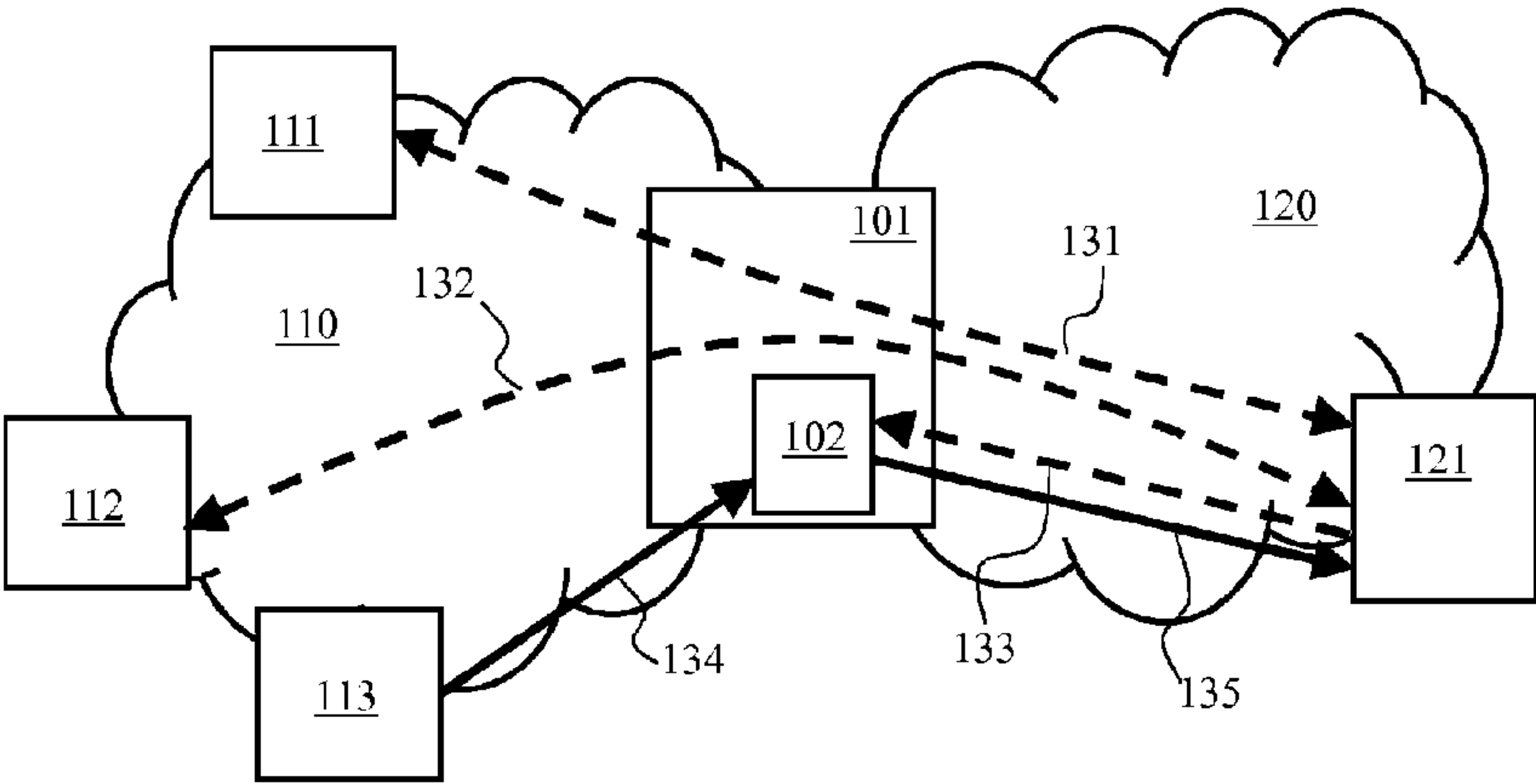




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(54) Titre : SYSTEME ET PROCEDE POUR DISTRIBUER UN CONTENU AUDIOVISUEL A UN DISPOSITIF CLIENT
(54) Title: SYSTEM AND METHOD FOR DELIVERING AN AUDIO-VISUAL CONTENT TO A CLIENT DEVICE



(57) Abrégé/Abstract:
For delivering an audio-visual content to a client device, an interconnecting device interconnecting a first network to a second network, the client device being connected to the second network, an equipment adapted to provide the audio-visual content being connected to the first network, said equipment performs: receiving, from the client device, a first request for receiving the audio-visual content; transmitting a redirecting message to the client device, said redirecting message redirecting the client device toward an agent implemented in the interconnecting device. Furthermore, said agent performs: receiving, from the client device, a second request for receiving the audio-visual content; acting as a relay between said equipment and the client device.

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System and method for delivering an audio-visual content to a client device

The present invention generally relates to delivering an audio-visual content to a client device, an interconnecting device interconnecting a first network to a second network, the client device being connected to the second network, an equipment adapted to provide the audio-visual content being connected to the first network.

5 Adaptive Bitrate Streaming (ABS) is one popular HTTP streaming technique used in streaming multimedia over computer networks and HLS (“HTTP Live Streaming”), which is a media streaming communications protocol based on HTTP (“HyperText Transfer Protocol”, as defined in the normative document RFC 2616) and developed by Apple Inc. is one particular implementation. HLS works by
10 breaking the overall AV stream into a sequence of small HTTP-based file downloads, each containing one short chunk of an overall potentially unbounded transport stream. As the stream is played, a client device decoding the AV stream may select from a number of different alternate streams containing the same material encoded at a variety of bit rates, allowing the streaming session to adapt to the available network
15 resources and/or processing resources of the client device. At the start of the streaming

