# Claims

[Claim 1] A method of transmitting video content by a first device, the method comprising:
transmitting, from a first device, a codec selection request frame to a second device, the codec selection request frame comprising a first identifier that identifies at least one codec to be used to compress the video content;
receiving, at the first device, a codec selection response frame from the second device, the codec selection response frame comprising approval information indicating whether use of the at least one codec is approved; and
transmitting, from the first device, video content compressed by the at least one codec to the second device based on the codec selection response frame.

[Claim 2] The method of claim 1, further comprising:
transmitting a capability request frame comprising a second identifier that identifies at least one codec supported by the first device to the second device; and
receiving a capability response frame comprising a third identifier that identifies at least one codec supported by the second device from the second device in response to the capability request frame,
wherein the first identifier included in the codec selection request frame is generated based on the capability response frame.

[Claim 3] The method of claim 2, wherein each of the second identifier and the third identifier comprises at least one of a fourth identifier of at least one codec vendor providing the at least one codec and a fifth identifier of at least one codec having a format defined by the at least one codec vendor.

[Claim 4] The method of claim 2, wherein the capability request frame further comprises at least one of codec number information indicating a number of codecs supported by the first device, and codec capability information indicating whether the first device supports a video content compression function.

[Claim 5] The method of claim 2, wherein the capability response frame further comprises at least one of codec number information indicating a number of codecs supported by the second device, and codec capability information indicating whether the second device supports a video

content compression function.

[Claim 6] The method of claim 4, wherein the codec capability information further comprises compression type information indicating whether a codec supported by the first device is an H.264 codec or a codec provided by a codec vendor.

[Claim 7] The method of claim 1, wherein the codec selection request frame further comprises at least one of a frame identifier indicating that the codec selection request frame is a frame for requesting selection of a codec to be applied to video content to be transmitted by the first device, content number information indicating an amount of video content to be transmitted by the first device, and a content identifier indicating video content to be transmitted by the first device.

[Claim 8] The method of claim 1, wherein the codec selection response frame further comprises at least one of a frame identifier indicating that the codec selection response frame is a response frame with respect to the codec selection request frame, content number information indicating an amount of video content to be transmitted to the second device, and a content identifier identifying video content to be transmitted to the second device.

[Claim 9] The method of claim 1, wherein the first identifier identifies a first codec and a second codec to be used to compress the video content.

[Claim 10] The method of claim 9, wherein the approval information comprises a first approval information field that indicates approval or rejection of the first codec, and a second approval information field that indicates approval or rejection of the second codec.

[Claim 11] The method of claim 9, wherein the approval information comprises an approval information field that indicates approval or rejection of the first codec and the second codec.

[Claim 12] The method of claim 2, wherein the second identifier requests information about a capability of the second device.

[Claim 13] An apparatus that transmits video content, the apparatus comprising:

a transmitter transmits a codec selection request frame to a second device, the codec selection request frame comprising a first identifier that identifies at least one codec to be used to compress the video content; and

a receiver receives a codec selection response frame from the second device, the codec selection response frame comprising approval information indicating whether use of the at least one codec is approved,

wherein the transmitter transmits video content compressed by the at least one codec to the second device based on the codec selection response frame.

[Claim 14] The apparatus of claim 13, wherein the transmitter is configured to transmit a capability request frame comprising a second identifier that identifies at least one codec supported by the first device;
wherein the receiver is configured to receive a capability response frame comprising a third identifier that identifies at least one codec supported by the second device in response to the capability request frame; and
wherein the first identifier included in the codec selection request frame is generated based on the capability response frame.

[Claim 15] The apparatus of claim 14, wherein each of the second identifier and the third identifier comprises at least one of a fourth identifier of at least one codec vendor providing the at least one codec and a fifth identifier of at least one codec having a format defined by the at least one codec vendor.

[Claim 16] The apparatus of claim 14, wherein the capability request frame further comprises at least one of codec number information indicating a number of codecs supported by the first device and codec capability information indicating whether the first device supports a video content compression function.

[Claim 17] The apparatus of claim 14, wherein the capability response frame further comprises at least one of codec number information indicating a number of codecs supported by the second device and codec capability information indicating whether the second device supports a video content compression function.

[Claim 18] The apparatus of claim 16, wherein the codec capability information further comprises compression type information indicating whether a codec supported by the first device is an H.264 codec or a codec provided by a codec vendor.

[Claim 19] The apparatus of claim 13, wherein the codec selection request frame further comprises at least one of a frame identifier indicating that the codec selection request frame is a frame for requesting selection of a codec to be applied to video content to be transmitted by the first device, content number information indicating an amount of video content to be transmitted by the first device, and a content identifier indicating video content to be transmitted by the first device.

[Claim 20] The apparatus of claim 13, wherein the codec selection response frame further comprises at least one of a frame identifier indicating that the codec selection response frame is a response frame with respect to the codec selection request frame, content number information indicating an amount of video content to be transmitted to the second device, and a content identifier identifying video content to be transmitted to the second device.

[Claim 21] The apparatus of claim 13, wherein the first identifier identifies a first codec and a second codec to be used to compress the video content.

[Claim 22] The apparatus of claim 21, wherein the approval information comprises a first approval information field that indicates approval or rejection of the first codec, and a second approval information field that indicates approval or rejection of the second codec.

[Claim 23] The apparatus of claim 21, wherein the approval information comprises an approval information field that indicates approval or rejection of the first codec and the second codec.

[Claim 24] The apparatus of claim 14, wherein the second identifier requests information about a capability of the second device.

[Claim 25] A computer-readable recording medium having embodied thereon a computer program, which when executed by a computer, performs a method comprising:

transmitting, from a first device, a codec selection request frame to a second device, the codec selection request frame comprising a first identifier that identifies at least one codec to be used to compress the video content;

receiving, at the first device, a codec selection response frame from the second device, the codec selection response frame comprising approval information indicating whether use of the at least one codec is approved; and

transmitting, from the first device, video content compressed by the at least one codec to the second device based on the codec selection response frame.

## CLAIMS

What is claimed is:

1. A method of transmitting media content by a first device, the method comprising:

transmitting, from a first device, a codec selection request frame to a second device, the codec selection request frame comprising a first identifier that identifies at least one codec to be used to compress the media content and requesting approval of the use of at least one codec;

receiving, at the first device, a codec selection response frame from the second device, the codec selection response frame comprising approval information indicating whether use of the at least one codec is approved; and

transmitting, from the first device, media content compressed by the at least one codec to the second device based on the codec selection response frame,

transmitting a capability request; and

receiving a capability response frame comprising a second identifier that identifies at least one codec supported by the second device from the second device in response to the capability request frame.

2. The method of claim 1, wherein the second identifier comprises a third identifier of at least one codec vendor providing the codec and a fourth identifier of at least one codec having a format defined by the codec vendor.

3. The method of claim 1, wherein the codec selection request frame further comprises at least one of a frame identifier indicating that the codec selection request frame is a frame for requesting selection of a codec to be applied to media content to be transmitted by the first device, content number information indicating an amount of media content to be transmitted by the first device, and a content identifier indicating media content to be transmitted by the first device.

4. The method of claim 1, wherein the codec selection response frame further comprises at least one of a frame identifier indicating that the codec selection response frame is a response frame with respect to the codec selection request frame, content number information indicating an amount of media content to be

transmitted to the second device, and a content identifier identifying media content to be transmitted to the second device.

5. An apparatus that transmits media content, the apparatus comprising:

a transmitter transmits a codec selection request frame to a second device, the codec selection request frame comprising a first identifier that identifies at least one codec to be used to compress the media content, and requests approval of the use of the at least one codec; and

a receiver receives a codec selection response frame from the second device, the codec selection response frame comprising approval information indicating whether use of the at least one codec is approved,

wherein the transmitter transmits media content compressed by the at least one codec to the second device based on the codec selection response frame,

wherein the transmitter is configured to transmit a capability request;

wherein the receiver is configured to receive a capability response frame comprising a second identifier that identifies at least one codec supported by the second device in response to the capability request frame.

6. The apparatus of claim 5, wherein the second identifier comprises a third identifier of at least one codec vendor providing the codec and a fourth identifier of at least one codec having a format defined by the codec vendor.

7. The apparatus of claim 5, wherein the codec selection request frame further comprises at least one of a frame identifier indicating that the codec selection request frame is a frame for requesting selection of a codec to be applied to media content to be transmitted by the first device, content number information indicating an amount of media content to be transmitted by the first device, and a content identifier indicating media content to be transmitted by the first device.

8. The apparatus of claim 5, wherein the codec selection response frame further comprises at least one of a frame identifier indicating that the codec selection response frame is a response frame with respect to the codec selection request frame, content number information indicating an amount of media content to be transmitted to the second device, and a content identifier identifying media content to be transmitted to the second device.

9. A method of selecting a codec to be used to compress a media content to be transmitted to a second device, by a first device, the method comprising

transmitting a capability request frame requests information about a capability of the second device;

receiving a capability response frame comprising a first identifier that identifies at least one codec supported by the second device from the second device in response to the capability request frame,

transmitting a capability request; and

receiving a capability response frame comprising a second identifier that identifies at least one codec supported by the second device from the second device in response to the capability request frame.

10. The method of claim 9, wherein the capability request frame further comprises at least one of a second identifier that identifies at least one codec supported by the first device, codec number information indicating a number of codecs supported by the first device, and codec capability information indicating whether the first device supports a video content compression function.

11. The method of claim 10, wherein the codec capability information further comprises compression type information indicating whether a codec supported by the first device is an H.264 codec or a codec provided by a codec vendor.

12. The method of claim 9, wherein the capability response frame further comprises codec number information indicating a number of codecs supported by the second device.

13. An apparatus for transmitting media content compressed by using at least one of a plurality of different codecs to a second device, the apparatus comprising,

a transmitter transmits a capability request frame requests information about a capability of the second device;

a receiver receives a capability response frame comprising a first identifier that identifies at least one codec supported by the second device from the second device in response to the capability request frame.

14. The apparatus of claim 13, wherein the capability request frame further comprises at least one of a second identifier that identifies at least one codec supported by the first device, codec number information indicating a number of

codecs supported by the first device, and codec capability information indicating whether the first device supports a video content compression function.

15. The apparatus of claim 14, wherein the codec capability information further comprises compression type information indicating whether a codec supported by the first device is an H.264 codec or a codec provided by a codec vendor.

16. The apparatus of claim 13, wherein the capability response frame further comprises codec number information indicating a number of codecs supported by the second device.