[0020] The one or the plurality of components is acquired from one of an RTP (Real-time Transport Protocol) session and a FLUTE (File Delivery over Unidirectional Transport) session of the digital broadcast signal based on whether the specific service is provided in a synchronous or an asynchronous format.

[0021] The circuitry is further configured to store the packaged one or the plurality of components and the first control information in a memory.

[0022] The circuitry is further configured to read the one or the plurality of components and the first control information which are stored in the memory to perform reproduction.

[0023] The circuitry is further configured to transmit the packaged one or the plurality of components and the first control information to another electronic device.

Solution to Problem

[0023a] According to a first aspect of the present invention, there is provided a reception device comprising: circuitry configured to receive a digital broadcast signal including an IP (Internet Protocol) transport stream; package, for a specific service among a plurality of services included in the digital broadcast signal, packets of one or a plurality of components and first control information constituting the specific service by using an IP address included in each of the packets; and perform a predetermined process by using the packaged one or the plurality of components and first control information.

[0023b] According to a second aspect of the present invention, there is provided a reception method of a reception device, comprising: receiving, by circuitry of the reception device, a digital broadcast signal including an IP (Internet Protocol) transport stream; packaging, by the circuitry and for a specific service among a plurality of services included in the digital broadcast signal, packets of one or a plurality of components and control information constituting the specific service by using an IP address included in each of the packets; and performing a predetermined process by using the packaged one or the plurality of components and control information.

[0023c] According to a third aspect of the present invention, there is provided a transmission device comprising: circuitry configured to acquire one or a plurality of components; acquire control information; and transmit a digital broadcast signal including an IP (Internet Protocol) transport stream in which packets of the one or the plurality of components and a packet of the control information constituting a specific service have the same IP address.

[0023d] According to a fourth aspect of the present invention, there is provided a transmission method of a transmission device, comprising: acquiring, by circuitry of the transmission device, one or a plurality of components; acquiring, by the circuitry, control information; and transmitting, by the circuitry, a digital broadcast signal including an IP (Internet Protocol) transport stream in which packets of the one or the plurality of components and a packet of the control information constituting a specific service have the same IP address.

[0024] A reception device may be an independent device or an internal block constituting one device.

[0025] A reception method according to ~~a first~~ an embodiment of the present ~~disclosure~~invention is a reception method which is adapted to a reception device according to the ~~first embodiment~~ above aspect of the present ~~disclosure~~invention.

[0026] In a reception device and a reception method according to ~~the first~~ embodiments of the present ~~disclosure~~invention, a digital broadcast signal including an IP transport stream is received by circuitry of the reception device, one or a plurality of components and control information constituting a specific service among a plurality of services included in the digital broadcast signal are packaged for a specific service by the circuitry by using an IP address included in each of the packets, and a predetermined process is performed by using the packaged components and control information.

[0027] A transmission device according to ~~a second~~another embodiment of the present ~~disclosure~~ invention is configured to include circuitry configured to acquire one or a plurality of components, a acquire control information, and transmit a digital broadcast signal including an IP transport stream in which packets of the one or the plurality of components and a packet of the control information constituting a specific service have the same IP address.

[0028] The transmission device may be an independent device and may be an internal block constituting one device.

[0029] A transmission method according to ~~the second~~another embodiment of the present ~~disclosure~~ invention is a transmission method corresponding to the transmission device according to ~~the second embodiment~~ above aspect of the present ~~disclosure~~invention.

[0030] In the transmission device and the transmission method according to ~~the second~~ embodiments of the present ~~disclosure~~disclosure, one or a plurality of components are acquired by circuitry of the transmission device, control information is acquired by the circuitry,

and a digital broadcast signal including an IP transport stream is transmitted, by the circuitry, in which packets of the one or the plurality of components and a packet of the control information constituting a specific service have the same IP address.

Advantageous Effects of Invention

[0031] According to ~~the first and second~~ embodiments of the present ~~disclosure~~invention, it is possible to flexibly adapt to various operation forms.

[0032] In addition, the effects described herein are not necessarily limited, and they may also be any effect described in the present ~~disclosure~~invention.

Brief Description of Drawings

[0033] [fig. 1] Fig. 1 is a diagram illustrating a protocol stack of digital broadcast in an IP transmission mode.

[fig. 2] Fig. 2 is a diagram illustrating a relation between a signal of a broadcasting wave and an ID system in the IP transmission mode.

[fig. 3] Fig. 3 is a diagram illustrating a configuration of the broadcasting wave of the digital broadcast in the IP transmission mode.

[fig. 4] Fig. 4 is a diagram illustrating a configuration of an LLS.

[fig. 5] Fig. 5 is a diagram illustrating a configuration of an MLS.

[fig. 6] Fig. 6 is a diagram illustrating a concept of service channels.

[fig. 7] Fig. 7 is a diagram illustrating a configuration of an embodiment of a broadcasting system employing the present disclosure.

[fig. 8] Fig. 8 is a diagram illustrating a configuration of an embodiment of a transmission device employing the present disclosure.

[fig. 9] Fig. 9 is a diagram illustrating a configuration of an embodiment of a reception device employing the present disclosure.

[fig. 10] Fig. 10 is a diagram illustrating details of a filtering process of each packet in a Demux.

[fig. 11] Fig. 11 is a diagram describing a basic signaling system.

[fig. 12] Fig. 12 is a diagram describing a signaling system in an NRT service.

[fig. 13] Fig. 13 is a diagram describing a signaling system in a hybrid service.

[fig. 14] Fig. 14 is a diagram illustrating a data structure of an NIT.

[fig. 15] Fig. 15 is a diagram illustrating an example of descriptors arranged in a loop of the NIT.

[fig. 16] Fig. 16 is a diagram illustrating a data structure of Name_descriptor.

[fig. 17] Fig. 17 is a diagram illustrating a data structure of Service_list_decriptor.

[fig. 18] Fig. 18 is a diagram illustrating a data structure of ATSC3_delivery_system_descriptor.

[fig. 19] Fig. 19 is a diagram illustrating a data structure of