Claims

1. An electronic device, which decodes encoded content signals using decryption keys, comprising:

a hardware processor executing a decoding program so as to perform the functions of a decryption key transmitting unit and a decryption key receiving unit, wherein the decryption key transmitting unit transmits the decryption keys and displays time information indicating a preset time period for the content signals, and the decryption key receiving unit receives the encoded content signals, the decryption keys and the time information, and decodes the content signals using the decryption keys,

wherein the decryption key receiving unit starts timing simultaneously at a time when reception of the decryption keys starts, and decoding of the content signals is stopped when measured elapsed time reaches an end of the preset time period;

wherein when the decoding of the content signals is stopped before the measured elapsed time reaches the end of the preset time period, time information indicating a completion of decoding the content signals is, based on the measured elapsed time, stored in advance; and

wherein when the content signals are being received again, the content signals continue to be decoded, based on the time information indicating the completion of decoding which has been stored, before a total amount of time for decoding the content signals reaches the end of the preset time period, and the decoding of the content signals is stopped when the total amount of time for decoding the content signals reaches the end of the preset time period,

wherein the electronic device further comprising a tuner, wherein the encoded content signals are extracted from input signals and sent to the decryption key receiving unit, and wherein control information displaying the preset time period is extracted from the input signals and sent to the decryption key transmitting unit.

2. The electronic device of claim 1, wherein the decryption key receiving unit comprises:

a timing unit, which starts timing at the same time when the reception of the decryption keys starts; and

a decoding unit, which decodes the content signals using the decryption keys, wherein the decoding of the content signals is stopped when elapsed time measured by the timing unit reaches the end of the preset time period.

3. An electronic device, comprising a hardware processor executing a decoding program so as to perform the functions of a decryption key receiving unit, which receives encoded content signals as well as decryption keys for decoding the encoded content signals, displays time information indicating a preset time period for the content signals, and decodes the content signals using the decryption keys, wherein the decryption key receiving unit starts timing simultaneously at a time when reception of the decryption keys starts, and decoding of the content signals is stopped when measured elapsed time reaches an end of the preset time period;

wherein when the decoding of the content signals is stopped before the measured elapsed time reaches the end of the preset time period, time information indicating a completion of decoding the content signals is, based on the measured elapsed time, stored in advance; and

wherein when the content signals are being received again, the content signals continue to be decoded, based on the time information indicating the completion of decoding which has been stored, before a total amount of time for decoding the content signals reaches the end of the preset time period, and the decoding of the content signals is stopped when the total amount of time for decoding the content signals reaches the end of the preset time period;

wherein the electronic device further comprising a tuner, wherein the encoded content signals are extracted from input signals and sent to the decryption key receiving unit, and wherein control information displaying the present time period is extracted from the input signals.

4. A computer for executing a decoding program for enabling the computer to operate as an electronic device recited in claim 1 so as to perform corresponding functions of each unit included in the electronic device.

5. A computer for executing a decoding program for enabling the computer to operate as an electronic device recited in claim 2 so as to perform corresponding functions of each unit included in the electronic device.