

Claims

What is claimed is:

1. An apparatus which transfers data with respect to a storage medium, the storage medium comprising: moving image data; and subtitle data for providing a subtitle for the moving image data, the subtitle data comprising a style set element comprising at least one style element and at least one user changeable style element, the at least one style element comprising an identifier of the style element and style information to be applied to a text in a script element, and the at least one user changeable style element comprising an identifier of the user changeable style element and style information which can be changed by a user selection; and the script element comprising text information having the text to be used for the subtitle, information on an output time when the subtitle is to be output, and information designating the identifier of the style element to be applied to the text, the apparatus comprising:

a register which stores the identifier of the user changeable style element to be used to select a user changeable style element among the at least one user changeable style element of the subtitle data; and

a text subtitle processor which

selects the style element in the style set element based on the information designating the identifier of the style element in the script element;

selects the user changeable style element among the at least one user changeable style element of the style set element based on the stored identifier of the user changeable style element stored in the register; and

applies the selected style element and the selected user changeable style element to the text in the script element.

2. A method of transferring data with respect to a storage medium, the storage medium comprising: moving image data; and subtitle data for providing a subtitle for the moving image data, the subtitle data comprising a style set element comprising at least one style element and at least one user changeable style element, the at least one style element comprising an identifier of the style element and style information to be

applied to a text in a script element, and the at least one user changeable style element comprising an identifier of the user changeable style element and style information which can be changed by a user selection; and the script element comprising text information having the text to be used for the subtitle, information on an output time when the subtitle is to be output, and information designating the identifier of the style element to be applied to the text, the method comprising:

selecting the style element in the style set element based on the information designating the identifier of the style element in the script element;

selecting the user changeable style element among the at least one user changeable style element of the style set element based on the identifier of the user changeable style element stored in a register of a reproducing apparatus reproducing the data; and

applying the selected style element and the selected user changeable style element to the text in the script element.

Claims

What is claimed is:

1. An apparatus for transferring data from a storage medium, the storage medium comprising:

moving image data; and

subtitle data for providing a subtitle for the moving image data, wherein the subtitle data comprises

a style set element comprising at least one style element and at least one user changeable style element, the at least one style element comprising an identifier of the style element and style information to be applied to a text in a script element, and the at least one user changeable style element comprising an identifier of the user changeable style element and style information which can be changed by a user's selection; and

a script element comprising text information having the text to be used for the subtitle, information on output time when the subtitle is output, and information designating the identifier of the style element to be applied to the text, the apparatus comprising:

a text subtitle processor arranged to select a style element in the style set element based on the information designating the identifier of the style element in the script element and to apply the selected style element to the text in the script element, characterised in that;

the apparatus comprises a player status register arranged to store an identifier of a user changeable style element to be used to select a user changeable style element among the at least one user changeable style element; and wherein

the text subtitle processor is arranged to select a user changeable style element among the at least one user changeable style element based on the identifier of the user changeable style element stored in the player status register when the identifier of the user changeable style element stored in the player status register is changed during reproduction of the moving image data; and apply the selected style element and the selected user changeable style element to the text in the script element.

2. A method for transferring data from a storage medium, the storage medium comprising:

moving image data; and

subtitle data for providing a subtitle for the moving image data, wherein the subtitle data comprises a style set element comprising at least one style element and at least one user changeable style element, the at least one style element comprising an identifier of the style element and style information to be applied to a text in a script element, and the at least one user changeable style element comprising an identifier of the user changeable style element and style information which can be changed by a user's selection; and

a script element comprising text information having the text to be used for the subtitle, information on output time when the subtitle is output, and information designating the identifier of the style element to be applied to the text, the method comprising:

selecting a style element in the style set element based on the information designating the identifier of the style element in the script element and applying the selected style element to the text in the script element, and characterised by;

selecting a user changeable style element among the at least one user changeable style element based on the identifier of the user changeable style element stored in a player status register when the identifier of the user changeable style element stored in the player status register is changed during reproduction of the moving image data in a reproducing apparatus; and

applying the selected style element and the selected user changeable style element to the text in the script element.