CLAIMS

1. An on-train information service system that is applied to a passenger train and presents image information, comprising:

a passenger train-use information displaying device that uses as a display area a part of a window pane of the passenger train or a peripheral area of the window pane; and

a display information processing unit that outputs, in correspondence with a landscape that is viewed through the window pane, display information related to the landscape.

~~2. The on-train information service system according to claim 1,~~ wherein:

the display information processing unit comprises:

a train car information observing device that detects a currently traveling location of the train and outputs train actual location information;

a mountain/ocean side identification signal generating unit that outputs a mountain/ocean side identification signal based on a first car identification signal output from an operation control platform;

an image information storing/reproducing unit that stores therein a plurality of items of landscape explanation and guidance image information for zones of a train operation route and positional information in correspondence with the landscape explanation and guidance image information, compares the train actual location information with the positional information, and outputs the landscape explanation and guidance image information corresponding to a mountain side and an ocean side based on the mountain/ocean side identification signal when the train actual location information and the positional

information coincide with each other; and

a video/still image output processing unit that generates the display information, based on the landscape explanation and guidance image information that is input.

23. The on-train information service system according to claim 12, wherein:

the display information processing unit further comprises a video information storing/reproducing unit that stores therein a plurality of items of video information and display order information for the video information, and outputs the video information to the video/still image output processing unit based on the display order information; and

the video/still image output processing unit preferentially generates the display information based on the image information when the image information is input, and generates the display information based on the video information when only the video information is input.

34. The on-train information service system according to claim 12 or 23, wherein:

the display information processing unit further comprises a display controlling unit that outputs a display control signal to control the video/still image output processing unit; and

the video/still image output processing unit that generates the display information based on the display control signal.

45. A passenger train-use information displaying device applied to the on-train information service system according to any one of claims 1 to 34, wherein a part of

the window pane of the passenger train or the peripheral area of the window pane is used as the display area.

5~~6~~. A passenger train-use information displaying device that is applied to the on-train information service system according to any one of claims 1 to 3~~4~~, wherein a shade arranged on the window pane of the passenger train is used as the display area.

~~7~~6. An on-train information presenting method incorporating a display device that uses a part of a window pane of a passenger train or a peripheral area of the window pane as a display area, comprising a display information processing step of outputting, in correspondence with a landscape viewed through the window pane, display information that is related to the landscape to the display device~~.~~

~~8. The on-train information presenting method according~~ ~~to claim 7~~, wherein:

the display information processing step comprises:

a train car information observing step of detecting a currently traveling position of the train and outputting train actual location information;

a mountain/ocean side identification signal generating step of outputting a mountain/ocean side identification signal based on a first car identification signal output from an operation control platform;

an image information storing step of storing a plurality of items of landscape explanation and guidance image information for zones of a train operation route and positional information in correspondence with the landscape explanation and guidance image information;

an image information reproducing step of comparing the train actual location information with the positional information, and reproducing the landscape explanation and guidance image information in correspondence with a mountain side and an ocean side based on the mountain/ocean side identification signal when the train actual location information and the positional information coincide with each other; and

a display information generating step of generating the display information based on the landscape explanation and guidance image information.