Abstract: This invention relates to assembling the monitor (1) and the information units (2) together, which are kept for customer satisfaction. In the system, which is the subject of this invention, the passengers may see all of the information units (2) on a single cover (3), just above the monitor (1).
DESCRIPTION

KEEPING THE MONITOR AND PASSENGER INFORMATION UNIT WITHIN A MONOLITHIC STRUCTURE

Field of invention

This invention relates to keeping the information units, such as monitor and safety belt, clock, WC; in a monolithic structure for the purpose of providing a visual unity, especially in the headlining part of a bus and also providing a possibility for reparation of the information units by demounting only one cover.

Background of the art

One of the systems used for customer satisfaction in the busses, is monitor and passenger information unit.

In these systems, monitors are usually placed on the corridor line while the passenger information units, such as; safety belt, WC and clock, are usually placed on the right side of the bus, on a level within the field of view of the passengers.

In these systems of the state of art; for the reparation of these parts, which are under different covers, several covers have to be demounted, which results in both the vehicle's being kept in the service for a long time and effort loss.

On the other hand, when the aesthetic purposes are considered, in the systems of the state of art, visual unity can not be provided in the headlining area, which is
visual unity can not be provided in the headlining area, which is constantly within the field of view of the passengers, since the monitor and the passenger information units are placed separately.

**Detailed description of the invention**

In the system, which is the subject of this invention, the information units (2) such as; clock (2a), thermometer (2a), WC (2b), safety belt (2b) which are usually seen on the right side by the passengers; are placed on the monitor cover (3), so that all these units (2) and the monitor (1) are provided to be assembled on a single panel.

Because of this monolithic structure; passengers are able to see all of the information units (2) just above the monitor (1), more importantly visual unity is provided in the headlining area which is constantly within the field of view of the passengers during the travel.

Moreover by the help of the system, which is the subject of this invention, demounting of more than one cover is not needed for reparation of a trouble in the monitor (1) or passenger information units (2) and all electrical sections may become accessible by demounting just one cover (3). This situation both shortens the time that the vehicle is kept in the service and prevents the unnecessary effort loss.

**Brief description of the drawings**

Figure 1 : Layout of monitor and passenger information unit on a single panel
Brief description of the references

1. Monitor
2. Passenger information units
   2a. Clock - thermometer information unit
   2b. WC - safety belt information unit
3. Monitor panel / cover
CLAIMS

1. Monitors (1) and passenger information units (2) in busses comprising a monolithic structure preserving these two systems.

2. The system according to claim 1, wherein placed on the ceiling part of driver's area along the corridor line.
AMENDED CLAIMS
received by the International Bureau on 13 November 2007 (13.11.07)

1. Monitors (1) and passenger information units (2) such as
WC- safety belt (2b) information unit, clock (2a) and
thermometer (2a) in buses and characterized in that they are
placed on monitor cover (3) comprising a monolithic
structure.

2. The system according to claim 1; wherein placed on the
ceiling part of driver's area along the corridor line.

3. The system according to claim 1; and characterized in that
in case of a trouble in the monitor (1) or passenger
information units (2) all electrical sections may become
accessible by demounting just one cover (3).

AMENDED SHEET (ARTICLE 19)
STATEMENT UNDER ARTICLE 19

The subject matter of claim 1 is rearranged and new claim 3 is added to distinguish the present invention from prior art.

In the subject of the present invention; passenger information units in buses such as; clock, thermometer, WC and safety belt are placed on the monitor cover so that all these information units and the monitor are provided to be assembled on a single panel as can be understood from claim 1 they comprise a monolithic structure. With the present invention, passengers can see temperature / clock and WC parameters at the same time because there are two displays for information units on the same cover. In addition, in case of a trouble in monitor or information units, there is no need to demount the whole headline; all electrical sections are accessible only by demounting the cover as understood from claim 3. And also the cover and the instruments on it have simple connections so the service capacity and usability of the system is high.

Whereas;

1. D1 referenced patent (GB 2 392 709 A) is about the hinge assembly for monitor of overhead console entertainment system. The system includes a housing, entertainment device, a video cassette recorder (VCR), electronic game module and television tuner. There is no passenger information unit in this system.
2. D2 referenced patent (US 5 822 023 A) refers to projection system which has a display which may be used for displaying only temperature or other vehicle operating parameter information. When one of these parameters is displayed the passengers can not see the other one such as WC at the same time. In addition, in this subject display unit is not placed on the monitor cover.
3. D3 referenced patent (WO 03/053742 A) refers to a night vision display unit. It is about a display unit and night vision camera system, which provides for improved road visibility during low light conditions.
4. D4 referenced patent (US 2004/ 0141095 A1) mentions an automotive video display console and does not refer to any passenger information unit. In addition, the subject matter of this patent is applicable for automobiles not for buses.
5. D5 referenced patent (WO 01/89876 A) is about a ceiling mounted monitor system including a housing, a display monitor mounted to the house and a video source mounted side by side relation to the video display monitor and does not mention passenger information units.

6. D6 referenced patent (WO 01/97501 A) is about only a video display system applicable for automobiles. Passenger information units are not placed on the same system.

Consequently all of these mechanism are different from the mechanism of the present invention and do not destroy the novelty.
INTERNATIONAL SEARCH REPORT

PCT/TR2007/000057

INTERNATIONAL SEARCH REPORT

PCT/TR2007/000057

A. CLASSIFICATION OF SUBJECT MATTER

INV. B6QR11/θ

According to International Patent Classification (IPC) or to both national classification and IPC

θ. FIELDS SEARCHED

Minimum to be used in priority application: 1 (003-07-03) 2-3

Document in other than minimum documentation to the extent suitable to define the invention:

B6QR

Detailed information contained in the International search report (if it) of the invention B6QR and, where practical, search terms B6QR

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category * Citation of document, with indication, where appropriate, of the relevant part of the document

SB 2 392 A (LEAR CORP [US])
10 March 2004 (2004-03-10)
abstract; figures 1,7
page 1, line 5 - line 27
page 3, line 8 - line 28

US 5 822 023 A (SUMAN MICHAEL J [US] ET AL)
13 October 1998 (1998-10-13)
abstract; figures 1,2
column 2, line 54 - column 3, line 25

WO 03/053742 A (BENDIX COMMERCIAL VEHICLE SYS [US]; MATKO MARK A [US]; HAEHN CRAIG S)
13 July 2003 (2003-07-13)
paragraphs (0031) - (0031); figures

Further documents [int] are listed in the continuation of Box C.

So® patent family annex.

\(\beta\) later document published after the invention. Filing date of priority and not in conflict with the application but cited to understand the prior art or theory. Underlying the invention

\(\alpha\) document of prior art; the invention

\(\beta\) document of prior art; the invention cannot be considered to involve an inventive step when the document is ceded or simplified to a prior art disclosure

\(\gamma\) document of prior art; the invention cannot be considered to involve an inventive step when the document is ceded or simplified to a prior art disclosure

Date of filing of the invention in the international application

Date of mailing of the international search report

18 September 2007

26/09/2007

Authorized officer

D'Sylva, Christophe

Page 1 of 2
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