Claims

What is claimed is:

1. A system for creating a visual animation of objects which can be experienced by a passenger located within a moving vehicle, the system comprising:

- a plurality of objects being placed along a movement path of the vehicle,
- a plurality of sensors being assigned to the plurality of objects and being arranged such along the movement path that the vehicle actuates the sensors when moving along the movement path,
- a plurality of highlighting devices being coupled to the plurality of sensors and being adapted such that, in accordance with sensor actuations triggered by the movement of the vehicle,

a) only one of the plurality of objects is highlighted by the highlighting devices to the passenger at one time,

b) the objects are highlighted to the passenger in such a sequence that the passenger visually experiences an animation of the objects.

2. The system according to claim 1,

wherein the sensors are light sensors, infrared sensors, pressure sensors or acoustic sensors, or the like.

3. The system according to claims 1 or 2,

- wherein, to each of the objects, two sensors are respectively assigned,

- wherein a first one of the two sensors triggers a start of the highlighting of the corresponding object,
- wherein a second one of the two sensors triggers an end of the highlighting of the corresponding object.

4. The system according to claims 1 or 2,
wherein, to each of the objects, one sensor is respectively assigned which triggers a start of the highlighting of the corresponding object.

5. The system according to claim 4,
wherein a first timer device is respectively connected to each highlighting device, wherein each first timer device is adapted to automatically trigger an end of the highlighting of the object as soon as a particular period of time after the start of the highlighting of the object has been passed.

6. The system according to claim 5,
further comprising a plurality of speed measurement devices coupled to the plurality of highlighting devices, wherein each speed measurement device is adapted to measure the speed of the moving vehicle, wherein the particular period of time is determined based on the speed measurement.

7. The system according to any one of the claims 1 to 6,
wherein a second timer device is respectively connected to each sensor, wherein each second timer device is adapted to block highlighting of an object if the object has already been highlighted within a particular period of time immediately before.

8. The system according to any one of the claims 3 to 7,
wherein the triggering of the start of the highlighting and the triggering of the end of the highlighting is carried out such that the viewing angle range experienced by the passenger is the same for each of the successive objects viewed.

9. The system according to any one of the claims 1 to 8,
wherein the vehicle is a car, a train, a bus, a subway, an elevator, a motor bike, a bike, and the like.

10. The system according to any one of the claims 1 to 9,
wherein each highlighting device comprises an illumination device.

11. The system according to claim 10,
wherein each illumination device is positioned within an object or in front of an object or behind or above or at one side or at two sides of an object or at an arbitrary position spaced away from the object and is adapted to illuminate the object as soon as the start of the highlighting of the object has been triggered, and

to end illumination of the object as soon as the end of the highlighting of the object has been triggered.

12. The system according to any one of the claims 1 to 11,
wherein each highlighting device comprises a shielding device comprising a shielding element being positioned in front of the object, wherein the shielding device is adapted to remove the shielding element to enable visibility of the object as soon as the start of the highlighting of the corresponding object has been triggered, and to place the shielding element in front of the object as soon as the end of the highlighting of the corresponding object has been triggered.

13. The system according to any one of the claims 1 to 12,
wherein the objects are placed substantially along a line which runs in parallel to the movement path of the vehicle.

14. The system according to claim 13,
wherein the line of objects runs besides the movement path.

15. The system according to claim 13,
wherein the line of objects runs above or at the front or at the back of the movement path or movement position of the vehicle.

16. The system according to any one of the claims 1 to 15,
wherein the objects are two-dimensional or three-dimensional objects.

17. The system according to any one of the claims 1 to 16,
wherein at least some objects are movable as a whole in parallel or perpendicular to the movement path of the vehicle.

18. The system according to any one of the claims 1 to 17,
wherein at least some of the objects are stationary as a whole, however parts of the objects are movable in correspondence with the highlighting of the objects such that the movement of the parts of the objects form a part of the animation.

19. The system according to any one of the claims 1 to 18,
wherein at least some of the objects are enlargeable.

20. The system according to any one of the claims 1 to 19,
wherein the plurality of objects is split up into at least two series of objects, the objects of each series of objects being respectively aligned along the movement path such that the passenger experiences one animation or simultaneously at least two different animations when moving along the movement path.

21. The system according to claim 20,

wherein an animation is displayed by highlighting objects of a first series of objects and is then displayed by highlighting objects of a second series of objects, wherein the switching between the first series and the second series is triggered by a further vehicle moving besides the vehicle of the passenger, or both series of objects are displayed at the same time.

22. The system according to any one of the claims 1 to 21,

further comprising a plurality of sound devices assigned to the plurality of objects, wherein the sound devices create sound in a way that the passenger located within the vehicle experiences a continuous sound pattern when passing the objects which correspond to the animation of the objects.

23. The system according to claim 22,

wherein the plurality of sound devices coupled to the plurality of sensors is adapted such that the generation of sound of a sound device is started as soon as the start of the highlighting of the corresponding object is triggered by the sensors, and is terminated as soon as the end of the highlighting of the corresponding object is triggered.

24. The system according to any one of the claims 1 to 23,

further comprising a wireless sound transmitting device being adapted to transmit sound information to a wireless sound receiving device located within the vehicle.

25. The system according to any one of the claims 1 to 24,

wherein the viewing angle is chosen arbitrarily and depends only on the viewing circumstances of the viewer.

Claims:

What is claimed is:

1. A system for creating a visual animation of objects which can be experienced by a passenger located within a road moving vehicle, the system comprising:
   - objects being placed along a movement path of the vehicle;
   - a first and second sensors being arranged such that the vehicle actuates the first sensor when the vehicle is in a first position along the vehicle path and actuates the second sensor when the vehicle is in a second position beyond the first position along the vehicle path;
   - highlighting devices being connected to the first and second sensors and being adapted such that, in accordance with sensor actuations triggered by the movement of the vehicle, the objects are highlighted to the passenger in such a sequence that the passenger visually experiences an uninterrupted animation of the objects along the vehicle path between the first and second positions, wherein the first sensor is adapted to trigger a commencement of the animation and the second sensor is adapted to trigger an end of the animation;
   - a speed measurement device connected to the highlighting devices, wherein the speed measurement device is adapted to measure the speed of the moving vehicle and to block said animation of objects if the vehicle speed is not within a predefined speed range, the predefined range being determined based on the vehicle speed, the size of the objects and the distance between the moving vehicle and the objects;

   wherein the objects are located intermediate the first and second positions.

2. The system according to claim 1, wherein the sensors are pressure sensors or acoustic sensors.

3. The system according to claims 1 or 2, wherein a timer device is connected to the sensors, wherein the timer device is adapted to block highlighting of the objects to a subsequent road vehicle passing after said vehicle for avoiding disturbance of the animation of the objects to the passenger of the vehicle if a particular period of time has not lapsed after the commencement of the animation, the period of time being determined based on the speed of the vehicle.

4. The system according to any one of the claims 1 to 3, wherein the vehicle is a car, a bus, a motor bike or a bike.

5. The system according to any one of the claims 1 to 4, wherein the highlighting devices comprise illumination devices.

6. The system according to claim 5, wherein each illumination device is positioned within an object or in front of an object or behind or above or at one side or at two sides of an object or at an arbitrary position spaced away from the object and is adapted to illuminate the object as soon as a start of the highlighting of the object has been triggered, and to end illumination of the object as soon as an end of the highlighting of the object has been triggered.

7. The system according to any one of the claims 1 to 6, wherein each highlighting device comprises a shielding device comprising a shielding element being positioned in front of the object, wherein the shielding device is adapted to remove the shielding element to enable visibility of the object as soon as the start of the highlighting of the corresponding object has been triggered, and to place the shielding element in front of the object as soon as the end of the highlighting of the corresponding object has been triggered.

8. The system according to any one of the claims 1 to 7, wherein the objects are placed substantially along a line which runs in parallel to the movement path of the vehicle.

9. The system according to claim 8, wherein the line of objects runs substantially transversal to the movement path of the vehicle.

10. The system according to claim 8, wherein the line of objects runs above and in front the vehicle.

11. The system according to any one of the claims 1 to 10, wherein the objects are two-dimensional or three-dimensional objects.

12. The system according to any one of the claims 1 to 11, wherein at least some objects are movable as a whole in parallel or perpendicular to the movement path of the vehicle.

13. The system according to any one of the claims 1 to 12, wherein at least some of the objects are stationary as a whole, however parts of the objects are movable in correspondence with the highlighting of the objects such that the movement of the parts of the objects form a part of the animation.

14. The system according to any one of the claims 1 to 13, wherein at least some of the objects are enlargeable.

15. The system according to any one of the claims 1 to 14, wherein the objects are split up into at least two series of objects, the objects of each series of objects being respectively aligned along the movement path such that the passenger experiences

one animation or simultaneously at least two different animations when moving along the movement path.

16. The system according to claim 15, wherein an animation is displayed by highlighting objects of a first series of objects and is then displayed by highlighting objects of a second series of objects, wherein the switching between the first series and the second series is triggered by a further vehicle moving besides the vehicle of the passenger, or both series of objects are displayed at the same time.

17. The system according to any one of the claims 1 to 16, further comprising sound devices assigned to the objects, wherein the sound devices create sound in a way that the passenger located within the vehicle experiences a continuous sound pattern when passing the objects which correspond to the animation of the objects.

18. The system according to claim 17, wherein the sound devices are coupled to the sensors and adapted such that the generation of sound is started as soon as the start of the highlighting of the objects is triggered by the sensors, and is terminated as soon as the end of the highlighting of the objects is triggered.

19. The system according to any one of the claims 1 to 18, further comprising a wireless sound transmitting device being adapted to transmit sound information to a wireless sound receiving device located within the vehicle.

20. The system according to any one of the claims 1 to 19, wherein the viewing angle is chosen arbitrarily and depends only on the viewing circumstances of the viewer.