Patent claims

1. A console ~~(1)~~ including light-emitting means ~~(2)~~ that are intended to be combined with identical or different signalling means ~~(3-6)~~, consisting of at least one first frame element ~~(1.0)~~ including an upper part ~~(1.1)~~ with a front side ~~(1.10)~~ and a lower part ~~(1.2)~~ with a rear side ~~(1.20)~~ that is intended to be mounted to a mounting surface ~~(9)~~, and a first light-emitting means ~~(2)~~ that is directly or indirectly arranged on the frame element ~~(1.0)~~, ~~characterized in that~~wherein the frame element ~~(1.0)~~

a) comprises at least two parts in the direction of a central axis ~~(M)~~ and comprises at least one groove ~~(1.3)~~ between the front side ~~(1.10)~~ and the rear side ~~(1.20)~~, which groove extends at least partially around the central axis on the outer side, and which groove is having a outer side, the outer side defining a bottom of the groove and

b) the light-emitting means ~~(2)~~ is arranged in the groove ~~(1.3)~~ in the area of the outer side, and

c) the frame element ~~(1.0)~~ comprises a recess ~~(1.5) that~~, which extends in axially direction of the central axis across the height of the frame element, the recess includes an inner side ~~(1.4)~~which limits the recess, which recess serves to accommodate an electrical signalling means ~~(3-6)~~, wherein the frame element ~~(1.0)~~ insulates and shields via the inner side the signalling means ~~(3-6)~~ from the heat that is generated by the light-emitting means ~~(2)~~ and is transferred by conduction or convection.

2. A console ~~(1)~~ according to claim 1, ~~characterized in that~~wherein the upper part ~~(1.1)~~ forms a first side wall ~~(1.31)~~ of the groove ~~(1.3)~~ and the lower part ~~(1.2)~~ forms a second side wall ~~(1.32)~~ of the groove ~~(1.3)~~.

3. A console ~~(1)~~ according to any one of the preceding claims, ~~characterized in that~~wherein the upper part ~~(1.1)~~ and the lower part ~~(1.2)~~ can be connected to each other at least in the axial direction of the central axis ~~(M)~~, wherein the groove ~~(1.3)~~ can be divided due to said connection.

4. A console ~~(1)~~ according to any one of the preceding claims, ~~characterized in that~~wherein the frame element ~~(1.0)~~ is made of a material whose thermal conductivity is not higher than 1 W/ (m*K) or is at least 10 W/ (m*K).

5. A console ~~(1)~~ according to any one of the preceding claims, ~~characterized in that~~wherein the frame element ~~(1)~~ comprises an insulation layer ~~(14)~~ that is arranged in the radial di-

rection, relative to the central axis ~~(M)~~, between an inner side ~~(1.4)~~ and the light-emitting means ~~(2)~~.

6. A console ~~(1)~~ according to any one of the preceding claims, ~~characterized in that~~wherein a light-conducting component ~~(7)~~ is supported in the groove ~~(1.3)~~, which component extends in the radial direction, relative to the central axis ~~(M)~~, between the two planes ~~(E1, E2)~~ of the front and rear sides ~~(1.10, 1.20)~~.

7. A console ~~(1)~~ according to any one of the preceding claims, ~~characterized in that~~wherein the size of the front side ~~(1.10)~~ and/or the mass of the frame element ~~(1.0)~~ is/are dimensioned in accordance with the heat introduced by the light-emitting means ~~(2)~~, in such a manner that the surface temperature of the frame element ~~(1.0)~~ is max. 46° Celsius on the front side ~~(1.10)~~ when the ambient temperature is up to 20° Celsius.

8. A modular system consisting of several consoles ~~(1, 1')~~ according to any one of the preceding claims, ~~characterized in that~~wherein the consoles ~~(1, 1')~~ can be connected to each other by means of the components ~~(7, 7')~~ so as to achieve a direct or indirect mechanical and/or light-conducting connection.

9. A modular system consisting of several consoles ~~(1, 1')~~ according to any one of the preceding claims 1 to 7, ~~characterized in that~~wherein an intermediate component ~~(13)~~ is provided between at least two consoles ~~(1, 1')~~, which intermediate component serves to connect at least two components ~~(7, 7')~~ so as to achieve a mechanical and/or light-conducting connection.

10. A safety system consisting of one or several consoles ~~(1, 1')~~ or of a modular system according to any one of the preceding claims and an electrical signalling means ~~(3)~~ that can be positioned in the recess ~~(1.5)~~, wherein the signalling means ~~(3)~~ is designed as a smoke detector or smoke alarm.

11. A safety system according to claim 10, ~~characterized in that~~ wherein an air gap ~~(12)~~ of between 0.5 mm and 1.2 mm is provided between the frame element ~~(1.0)~~ and the smoke detector or smoke alarm ~~(3)~~ in any desired direction.

12. A safety system according to any one of claims 1 to 9, ~~characterized in that~~wherein the signalling means ~~(4-6)~~ is designed as a lamp ~~(4)~~ or as a loudspeaker ~~(5)~~ or as a camera ~~(6)~~ or as another electrical or hydraulic signalling means, wherein the lamp ~~(4)~~, the loudspeaker ~~(5)~~ or the camera ~~(6)~~ comprises a housing whose diameter corresponds to a diameter ~~(3.1)~~ of the housing ~~(3.3)~~ of the smoke detector or smoke alarm ~~(3)~~.

13. A safety system according to any one of claims 10 to 12, including an electronic control unit, wherein at least one first signalling means ~~(3)~~ can transmit an electronic signal to the electronic control unit, and the electronic control unit causes a second signalling means ~~(4-6)~~ to output an acoustic and/or optical signal.

14. A safety system according to any one of claims 10 to 13, ~~characterized in that~~wherein one or several light-emitting means ~~(2, 2')~~ and/or lamp(s) ~~(4, 4')~~ change their characteristics in accordance with one or several signal(s) of a smoke detector ~~(3)~~.

15. A safety system according to any one of claims 10 to 14, ~~characterized in that~~wherein the characteristics of the light-emitting means ~~(2)~~ and/or the lamps ~~(4)~~ of at least one console ~~(1)~~ can be controlled in accordance with the characteristics of the light-emitting means ~~(2')~~ and/or the lamps ~~(4')~~ of another console ~~(1')~~.