Claims:

1. Explosion-protected luminaire

having an enclosure (10) that comprises a translucent section (12a) and that surrounds an inner space (15),

with at least one separating wall (16) comprising at least one opening (22, 23) that divides the inner space (15) of the enclosure (10) in at least one first section without fill material (18) and at least one second section with fill material (17),

wherein the first section without fill material (17) comprises a light source (19) and is translucent in the region of the light source,

wherein the second section (18) behind the at least one separating wall (16) is filled with open pored material (29), and

wherein an operating circuit (25, 25a or 25b) is placed within the open pored material (29).

2. Luminaire according to claim 1, characterized in that the enclosure (10) comprises a first enclosure part (11) and a second enclosure part (12) that consists of a translucent material and that the separating wall (16) retained between the two enclosure parts (11, 12).

3. Luminaire according to any of the preceding claims, characterized in that the enclosure (10) is a profile part, into which the fill material is slid in.

4. Luminaire according to any of the preceding claims, characterized in that the separating wall (16) is held at its complete circumference in the enclosure (10).

5. Luminaire according to any of the preceding claims, characterized in that the separating walls (16) are integrated into the enclosure parts.

6. Luminaire according to any of the preceding claims, characterized in that the first section (17) of the inner space (15) is free from fill material.

7. Luminaire according to any of the preceding claims, characterized in that a filter (24) is arranged at each opening (22, 23).

8. Luminaire according to claim 7, characterized in that the filter (24) is an open pored body, for example textile material, filter, wire mesh network or a porous body.

9. Luminaire according to any of the preceding claims, characterized in that the fill material (29) is arranged to fill the second section (18) of the inner space (15) of the enclosure (10) completely or partly.

10. Luminaire according to any of the preceding claims, characterized in that the fill material (29) is a pourable fill material.

11. Luminaire according to any of the preceding claims, characterized in that the separating wall (16) is configured to carry the light source (19).

12. Luminaire according to any of the preceding claims, characterized in that the separating wall (16) is a circuit board.

13. Luminaire according to any of the preceding claims, characterized in that an electronic circuit (25) is arranged in the second section (18) of the inner space (15).

14. Luminaire according to any of the preceding claims, characterized in that an electronic circuit (25) is arranged in the first section (17) of the inner space (15).