Patent claims:

1. Protection equipment for protecting a target (1) against attacking missiles, with a number of protection elements (11, 12), which can be triggered individually to combat a missile, characterized in that the protection elements (11, 12) are arranged in such a way that a triggered protection element (11) is replaced by a replacement protection element (12) arranged redundantly in relation to it.

2. The protection equipment as claimed in claim 1, characterized in that the direction of effect (W) of the protection elements (11, 12) is directed downwardly, preferably vertically downwardly.

3. The protection equipment as claimed in claim 1 or claim 2, characterized in that a number of protection elements (11, 12) are arranged in the form of a ring, in particular in the manner of a closed or open ring.

4. The protection equipment as claimed in one of the preceding claims, characterized in that the protection elements (11, 12) have a number of explosive charges (13) that can be triggered together, in particular in the form of hollow charges, plane charges, cutting charges or projectile-forming charges.

5. The protection equipment as claimed in one of the preceding claims, characterized in that the replacement protection element (12) is arranged in such a way that various protection elements (11) can be replaced by it or that it is permanently

assigned to one protection element (11) as a replacement.

6. The protection equipment as claimed in one of the preceding claims, characterized in that the replacement protection element (12) is arranged behind the triggered protection element (11).

7. The protection equipment as claimed in claim 6, characterized in that the protection elements (11) are fixedly arranged and the replacement protection element (12) is movably arranged.

8. The protection equipment as claimed in claim 6, characterized in that a number of replacement protection elements (12) are provided, at least one of which is fixedly arranged and one of which is movably arranged.

9. The protection equipment as claimed in either of claims 7 and 8, characterized by means (15) for moving the replacement protection elements (12).

10. The protection arrangement as claimed in one of claims 1 to 5, characterized in that, when providing a replacement, the replacement protection element (12) assumes the position of the triggered protection element (11).

11. The protection arrangement as claimed in one of claims 1 to 5 or 10, characterized in that the protection element (11) and a replacement protection element (12), preferably three replacement protection elements (12), are arranged in a rotary drum (17) that is preferably rotatable about a horizontal axis of rotation (D_H).

12. The protection equipment as claimed in claim 11, characterized in that the rotary drum (17) has a covering (18) with an active opening (19).

13. The protection equipment as claimed in one of the preceding claims, characterized in that the protection element (11) and at least one replacement protection element (12) are arranged one behind the other in a magazine (20).

14. The protection equipment as claimed in claim 13, characterized in that, for replacing the protection element (11), the replacement protection element (12) can be transferred from a rearward magazine position into a forward magazine position, preferably by an axial or folding movement.

15. A vehicle, in particular a military vehicle, with protection equipment against attacking missiles, characterized
in that the protection equipment (10) is formed as claimed in one of the preceding claims.

16. The vehicle as claimed in claim 15, characterized in that the protection equipment (10) is arranged on the roof (2) of the vehicle (1).

17. A method for protecting a target (1) against attacking missiles with protection equipment (10), in which a protection element (11) is triggered to combat the missile,
characterized
in that the triggered protection element (11) is replaced by a protection element (12) arranged redundantly in relation to it.

18. The method as claimed in claim 17, characterized in that the protection equipment (10) is formed as claimed in one of claims 1 to 14.

CLAIMS

1. Protection equipment for protecting a target (1) against attacking missiles, with a number of protection elements (11, 12), which can be triggered individually to combat a missile,
characterized
in that the protection elements (11, 12) are arranged in such a way that a triggered protection element (11) is replaced by a replacement protection element (12) arranged redundantly in relation to it,
the protective elements (11, 12) are arranged in the upper end region of the target to be protected,
the protective elements (11, 12) provide a projection to the side of the target to be protected, and
the direction of effect (W) of the protective elements (11, 12) is directed downwardly.

2. The protection equipment as claimed in claim 1, characterized in that the direction of effect (W) of the protection elements (11, 12) is directed vertically downwardly.

3. The protection equipment as claimed in claim 1 or claim 2, characterized in that a number of protection elements (11, 12) are arranged in the form of a ring, in particular in the manner of a closed or open ring.

4. The protection equipment as claimed in one of the preceding claims, characterized in that the protection elements (11, 12) have a number of explosive charges (13) that can be triggered together, in particular in the form of hollow charges, plane charges, cutting charges or projectile-forming charges.

5. The protection equipment as claimed in one of the preceding claims, characterized in that the replacement protection element (12) is arranged in such a way that various protection elements (11) can be replaced by it or that it is permanently assigned to one protection element (11) as a replacement.

6. The protection equipment as claimed in one of the preceding claims, characterized in that the replacement protection element (12) is arranged behind the triggered protection element (11).

7. The protection equipment as claimed in claim 6, characterized in that the protection elements (11) are fixedly arranged and the replacement protection element (12) is movably arranged.

8. The protection equipment as claimed in claim 6, characterized in that a number of replacement protection elements (12) are provided, at least one of which is fixedly arranged and one of which is movably arranged.

9. The protection equipment as claimed in either of claims 7 and 8, characterized by means (15) for moving the replacement protection elements (12).

10. The protection arrangement as claimed in one of claims 1 to 5, characterized in that, when providing a replacement, the replacement protection element (12) assumes the position of the triggered protection element (11).

11. The protection arrangement as claimed in one of claims 1 to 5 or 10, characterized in that the protection element (11) and a replacement

protection element (12), preferably three replacement protection elements (12), are arranged in a rotary drum (17) that is preferably rotatable about a horizontal axis of rotation (D_H).

12. The protection equipment as claimed in claim 11, characterized in that the rotary drum (17) has a covering (18) with an active opening (19).

13. The protection equipment as claimed in one of the preceding claims, characterized in that the protection element (11) and at least one replacement protection element (12) are arranged one behind the other in a magazine (20).

14. The protection equipment as claimed in claim 13, characterized in that, for replacing the protection element (11), the replacement protection element (12) can be transferred from a rearward magazine position into a forward magazine position, preferably by an axial or folding movement.

15. A vehicle, in particular a military vehicle, with protection equipment against attacking missiles, characterized
in that the protection equipment (10) is formed as claimed in one of the preceding claims.

16. The vehicle as claimed in claim 15, characterized in that the protection equipment (10) is arranged on the roof (2) of the vehicle (1).

17. A method for protecting a target (1) against attacking missiles with protection equipment (10), in which a protection element (11) is triggered to combat the missile,
characterized

in that the triggered protection element (11) is replaced by a protection element (12) arranged redundantly in relation to it, and

the protection equipment (10) is formed as claimed in one of claims 1 to 14.