Claims

1. Warhead (1) comprising a tubular structure comprising:

- a front end (15) and a front region (2) adjoining the front end (15);
- a rear end (14) and a rear region (3) adjoining the rear end (14);
- a central axis (11) connecting the front end (15) and the rear end (14);
- a wall portion (4); and
- a central cavity (6), whereby

the outer wall portion (4) tapers in the front region (2) and comprises fragments (7;9) in the rear region (3);

characterized in that

a) the tubular structure in the rear region (3) comprises a generally cylindrical portion (12) and a generally conical portion (13) relative to the central axis (11); and that
b) the wall portion (4) comprises fragments (7;9) in the generally conical portion (13) as well as in the generally cylindrical portion (12) of the rear region (3); whereby
c) the front region (3) does not comprise any fragments.

2. Warhead according to claim 1, characterized in that the generally cylindrical portion (12) is arranged in the rear region (3) between the generally conical portion (13) and the front region (2) relative to the central axis (11).

3. Warhead according to claim 1, characterized in that the generally conical portion (13) is arranged in the rear region (3) between the generally cylindrical portion (12) and the front region (2) relative to the central axis (11).

4. Warhead according to one of claims 1 to 3, characterized that the warhead (1) comprises a reflector (15).

5. Warhead according to one of claims 1 to 4, characterized that the generally conical portion (13) is longer as the generally cylindrical portion (12) measured parallel to the central axis (11).

6. Warhead according to one of claims 1 to 4, characterized that the generally conical portion (13) is shorter as the generally cylindrical portion (12) measured parallel to the central axis (11).

7. Warhead according to one of claims 1 to 4, characterized that the generally conical portion (13) and the generally cylindrical portion (12) are equal long measured parallel to the central axis (11).

8. Warhead according to one of claims 1 to 7, characterized in that the hollow generally conical portion (13) has a full cone angle of φ_2 being at least 4 degrees, preferably 6 degrees.

9. Warhead according to one of claims 1 to 8, characterized in that the hollow generally conical portion (13) has a full cone angle of φ_2 being at most 30 degrees, preferably 20 degrees.

10. Warhead according to one of the claims 1 to 9, characterized in that it comprises a discontinuity running peripherally to the tubular structure between the cylindrical portion (12) and the conical portion (13).

11. Warhead according to one of claims 1 to 10, characterized in that it comprises a bend between the cylindrical portion (12) and the conical portion (13).

12. Warhead according to one of the claims 1 to 11, characterized in that the fragments (7;9) comprise at least two different types of fragments.

13. Warhead according to claim 12, characterized in that one type of fragments has essentially spherical shape and the other type of fragments has a non-spherical, preferably cuboid, parallelepipedic or tetrahedral shape.

14. Warhead according to claim 12 or 13, characterized in that the at least two different types of fragments comprise different materials.

15. Warhead according to one of the claims 12 to 14, characterized in that the at least two different type of fragments are arranged in a single plane of the wall portion (4).

16. Warhead according to one of the claims 12 to 14, characterized in that the at least two different type of fragments are arranged over each other.

17. Warhead according to one of the claims 1 to 16, characterized in that the fragments comprise a metal, metallic alloy or metal carbide, preferably steel, tungsten, tungsten carbide or aluminum.